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NEWS 29 Mar 24 Additional information for trade-named substances without
structures available in REGISTRY
NEWS 30 Apr 11 Display formats in DGENE enhanced
NEWS 31 Apr 14 MEDLINE Reload
NEWS 32 Apr 17 Polymer searching in REGISTRY enhanced
NEWS 33 Apr 21 Indexing from 1947 to 1956 being added to records in CA/CAPLUS
NEWS 34 Apr 21 New current-awareness alert (SDI) frequency in
WPIDS/WPINDEX/WPIX
NEWS 35 Apr 28 RDISCLOSURE now available on STN
NEWS 36 May 05 Pharmacokinetic information and systematic chemical names
added to PHAR
NEWS 37 May 15 MEDLINE file segment of TOXCENTER reloaded
NEWS 38 May 15 Supporter information for ENCOMPPAT and ENCOMPLIT updated
NEWS 39 May 16 CHEMREACT will be removed from STN
NEWS 40 May 19 Simultaneous left and right truncation added to WSCA
NEWS 41 May 19 RAPRA enhanced with new search field, simultaneous left and
right truncation

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FILE 'HOME' ENTERED AT 13:57:03 ON 27 MAY 2003

=> fil reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 13:57:08 ON 27 MAY 2003

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STRUCTURE FILE UPDATES: 26 MAY 2003 HIGHEST RN 520505-31-1

DICTIONARY FILE UPDATES: 26 MAY 2003 HIGHEST RN 520505-31-1

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

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<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> s pmalwmr/sqsfp

L1 8919 PMALWMR/SQSFP

=> fil .search

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	26.90	27.11

FILE 'MEDLINE' ENTERED AT 13:57:30 ON 27 MAY 2003

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=> s l1

4 FILES SEARCHED...

L2 3354 L1

=> s l2 and (chelate? or ligand?)

L3 624 L2 AND (CHELATE? OR LIGAND?)

=> s l3 and (polymer?)

L4 485 L3 AND (POLYMER?)

=> s l4 and (mri or magnetic(w)resonance? or nuclear(w)magnetic? or nmr)

L5 63 L4 AND (MRI OR MAGNETIC(W) RESONANCE? OR NUCLEAR(W) MAGNETIC?
OR NMR)

=> dup rem l5

PROCESSING COMPLETED FOR L5

L6 63 DUP REM L5 (0 DUPLICATES REMOVED)

=> d ibib ab hitstr 1-

YOU HAVE REQUESTED DATA FROM 63 ANSWERS - CONTINUE? Y/(N):y

L6 ANSWER 1 OF 63 USPATFULL
 ACCESSION NUMBER: 2003.127844 USPATFULL
 TITLE: Human olfactory receptors and genes encoding same
 INVENTOR(S): Zosulya, Sergey, San Diego, CA, UNITED STATES

NUMBER	KIND	DATE
US 2003080509	AI	20030508
US 2001-804291	AI	20010313 (9)

PATENT INFORMATION: US 2003080509
 APPLICATION INFO.: US 2001-804291

NUMBER	DATE
US 2000-188914P	20000313 (60)
US 2000-192031P	20000324 (60)
US 2000-198474P	20000414 (60)
US 2000-199335P	20000424 (60)
US 2000-207702P	20000526 (60)
US 2000-213499P	20000623 (60)
US 2000-226534P	20000816 (60)
US 2000-210733P	20000907 (60)
US 2001-265862P	20010207 (60)

DOCUMENT TYPE: Utility
 FILE SUBJECT: APPLICATION
 LEGAL REPRESENTATIVE: Pillsbury Winthrop LLP, Intellectual Property Group, Best Tower, Ninth Floor, 1100 New York Avenue, N.W., Washington, DC, 20005-3918

NUMBER OF CLAIMS: 124
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 22 Drawing Page(s)
 LINE COUNT: 12769

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Newly identified olfactory G protein-coupled receptors (ORA), and the genes and cDNA encoding said receptors are described. Specifically, G protein-coupled receptors active in olfactory signaling, and the genes and cDNA encoding the same, are described, along with methods for isolating such genes and for isolating and expressing such receptors. Methods for representing olfactory perception of a particular odorant in a mammal are also described, as are methods for generating novel molecules or combinations of molecules that elicit a predetermined odor perception in a mammal, and methods for simulating one or more odors. Further, methods for stimulating or blocking odor perception in a mammal are also disclosed.

IT 263475-49-8P 335068-04-3P 362536-55-8P.
 Olfactory receptor AOLFPR60 (human) 362537-44-8P, Olfactory receptor AOLFPR157 (human)
 (amino acid sequence; human olfactory receptors and genes encoding same)

RN 263475-49-6 USPATFULL
 CN O protein-coupled receptor GPCR-5 (human kidney Incyte clone 998550) (9CI)
 (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

RN 335068-04-3 USPATFULL
 CN Olfactory receptor (human HORDE (Human Olfactory Receptor Data

L6 ANSWER 1 OF 63 USPATFULL (Continued)
 Exploratorium) entry 438-122 (fragment) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

RN 362536-55-8 USPATFULL
 CN Olfactory receptor AOLFPR60 (human) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

RN 362537-44-8 USPATFULL
 CN Olfactory receptor AOLFPR157 (human) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 2 OF 63 USPATFULL
 ACCESSION NUMBER: 2003.113644 USPATFULL
 TITLE: 47 human secreted proteins
 INVENTOR(S): Ruben, Steven M., Olney, MD, UNITED STATES
 Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
 Rosen, Craig A., Laytonville, MD, UNITED STATES
 Endreac, Gregory A., Silver Spring, MD, UNITED STATES
 Soppet, Daniel R., Centerville, VA, UNITED STATES
 Ni, Jian, Rockville, MD, UNITED STATES
 Dan, Roxanne D., Bethesda, MD, UNITED STATES
 Moore, Paul A., Germantown, MD, UNITED STATES
 Shi, Yanguo, Gaithersburg, MD, UNITED STATES
 LaPlour, David M., Washington, DC, UNITED STATES
 Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
 Florence, Kimberly A., Rockville, MD, UNITED STATES

NUMBER	KIND	DATE
US 2003079405	AI	20030424
US 2001-895298	AI	20010702 (9)

PATENT INFORMATION: US 2003079405
 APPLICATION INFO.: US 2001-895298
 RELATED APPL. INFO.: Continuation of Ser. No. US 2000-591316, filed on 9 Jun 2000, PENDING Continuation-in-part of Ser. No. US 1999-0229950, filed on 16 Dec 1999, UNKNOWN

NUMBER	DATE
US 1998-113065P	19980218 (60)
US 1998-112659P	19981217 (60)

DOCUMENT TYPE: Utility
 FILE SUBJECT: APPLICATION
 LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 23
 EXEMPLARY CLAIM: 1
 LINE COUNT: 18444

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to these novel human secreted proteins.

IT 277336-48-9P
 (amino acid sequence; cloning and cDNA and deduced amino acid sequences of 47 human secreted proteins)

RN 277336-48-9 USPATFULL
 CN Secretory protein (human clone HPRRP19 190-amino acid precursor) (9CI)
 (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 3 OF 63 USPATFULL
 ACCESSION NUMBER: 2003.112894 USPATFULL
 TITLE: 20685, 579, 17114, 32821, 33894 and 32613, novel human transporters
 INVENTOR(S): Glucksmann, Maria Alexandra, Lexington, MA, UNITED STATES
 Silow-Santiago, Inmaculada, Jamaica Plain, MA, UNITED STATES

PATENT ASSIGNEE(S): Millennium Pharmaceuticals, Inc. (U.S. corporation)

NUMBER	KIND	DATE
US 2003077426	AI	20030424
US 2002-199485	AI	20020718 (10)

PATENT INFORMATION: US 2003077426
 APPLICATION INFO.: US 2002-199485
 RELATED APPL. INFO.: Continuation-in-part of Ser. No. US 2001-795693, filed on 28 Feb 2001, PENDING

NUMBER	DATE
US 2000-185906P	20000229 (60)

DOCUMENT TYPE: Utility
 FILE SUBJECT: APPLICATION
 LEGAL REPRESENTATIVE: ALSTON & BIRD LLP, BANK OF AMERICA PLAZA, 101 SOUTH TRYON STREET, SUITE 4000, CHARLOTTE, NC, 28280-4000

NUMBER OF CLAIMS: 1
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 79 Drawing Page(s)
 LINE COUNT: 8163

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to newly identified human transporters. In particular, the invention relates to transporter polypeptides and polynucleotides, methods of detecting the transporter polypeptides and polynucleotides, and methods of diagnosing and treating transporter-related disorders. Also provided are vectors, host cells, and recombinant methods for making and using the novel molecules.

IT 512843-94-4
 (unclaimed protein sequence; protein and cDNA sequences of a human transport protein sequence homologous and therapeutic use)

RN 512843-94-4 USPATFULL
 CN 32: PH: US000077426 SEQID: 32 unclaimed protein (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

16 ANSWER 4 OF 63 USPATFULL
 ACCESSION NUMBER: 2003112858 USPATFULL
 TITLE: Methods for diagnosis and treatment of diseases associated with altered expression of neurogranin
 INVENTOR(S): Pedersen, Finn SØRN, Aarhus V. DENMARK
 Sørensen, Annette Balla, Aarhus N. DENMARK
 Nielsen, Anne Ahlmann, Aarhus N. DENMARK

NUMBER	KIND	DATE
US 2003077590	A1	20030424
US 2001-962916	A1	20010924 (9)

RELATED APPL. INFO.: Continuation of Ser. No. US 2000-688644, filed on 22 Sep 2000, PENDING

DOCUMENT TYPE: APPLICATION
 FILE SEQUENCE: Utility
 LEGAL REPRESENTATIVE: Gladys H. Monroy, Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto, CA, 94304-1018

NUMBER OF CLAIMS: 19
 EXEMPLARY CLAIM: 1
 LINE COUNT: 2448

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention relates to novel compositions and methods related to Neurogranin for use in diagnosis and treatment of lymphoma and leukemia. In addition, the present invention describes the use of such novel compositions for use in screening methods

IT 406149-77-7 406149-78-8
 (amino acid sequence; compns. and methods for diagnosis and treatment of lymphoma and leukemia)

RN 406149-77-7 USPATFULL
 CN Protein (mouse clone MO 02/24867A2-SEQID203) (SCI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

RN 406149-78-8 USPATFULL
 CN Protein (human clone MO 02/24867A2-SEQID203) (SCI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

16 ANSWER 5 OF 63 USPATFULL
 ACCESSION NUMBER: 2003106168 USPATFULL
 TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same
 INVENTOR(S): Aabkenesi, Avi, San Mateo, CA, UNITED STATES
 Botstein, David, Belmont, CA, UNITED STATES
 Denoyere, Luc, San Francisco, CA, UNITED STATES
 Saton, Dan L., San Rafael, CA, UNITED STATES
 Ferrara, Napoleone, San Francisco, CA, UNITED STATES
 Filvaroff, Ellen, San Francisco, CA, UNITED STATES
 Fong, Sherman, Alameda, CA, UNITED STATES
 Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
 Gerber, Hanspeter, San Francisco, CA, UNITED STATES
 Gerritsen, Mary E., San Mateo, CA, UNITED STATES
 Goddard, Audrey, San Francisco, CA, UNITED STATES
 Godowski, Paul J., Burlingame, CA, UNITED STATES
 Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES

Gurney, Austin L., Belmont, CA, UNITED STATES
 Hillan, Kenneth J., San Francisco, CA, UNITED STATES
 Kijavini, Ivar J., Lafayette, CA, UNITED STATES
 Mather, Jennie P., Millbrae, CA, UNITED STATES
 Pan, James, Belmont, CA, UNITED STATES
 Peoni, Nicholas F., Belmont, CA, UNITED STATES
 Roy, Margaret Ann, San Francisco, CA, UNITED STATES
 Stewart, Timothy A., San Francisco, CA, UNITED STATES
 Tuma, Daniel, Orinda, CA, UNITED STATES
 Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
 Wood, William L., Hillsborough, CA, UNITED STATES
 Genentech, Inc. (U.S. corporation)

NUMBER	KIND	DATE
US 2003073079	A1	20030417
US 2001-907575	A1	20010717 (9)

RELATED APPL. INFO.: Continuation of Ser. No. US 2000-655350, filed on 18 Sep 2000, PENDING

NUMBER DATE

PRIORITY INFORMATION:

NO 1998-US18824	19980910
NO 1998-US19177	19980914
NO 1998-US19330	19980916
NO 1998-US19437	19980917
NO 1998-US25108	19981201
NO 1999-US20594	19990908
NO 1999-US20944	19991213
NO 1999-US21090	19990915
NO 1999-US21547	19990915
NO 1999-US23049	19991005
NO 1999-US28214	19991129
NO 1999-US28313	19991130
NO 1999-US28301	19991201
NO 1999-US28564	19991202
NO 1999-US28565	19991202
NO 1999-US30095	19991216
NO 1999-US30999	19991220

DOCUMENT TYPE: Utility
 FILE SEQUENCE: APPLICATION
 LEGAL REPRESENTATIVE: DOUGHE, MARTENS, OLSON & BEAR, LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614

NUMBER OF CLAIMS: 38
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 124 Drawing Page(s)
 LINE COUNT: 21761

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising these nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

IT 421903-66-7
 (amino acid sequence; secreted and transmembrane proteins of human and cDNA encoding them)

RN 421903-66-7 USPATFULL
 CN Protein PRO1186 (human clone DNA60621-1516) (SCI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

16 ANSWER 5 OF 63 USPATFULL (Continued)

MO 1999-US30911	19991220
NO 2000-US219	20000105
NO 2000-US3165	20000211
NO 2000-US4414	20000228
NO 2000-US5004	20000224
NO 2000-US5841	20000309
NO 2000-US7277	20000310
NO 2000-US8439	20000310
NO 2000-US14042	20000522
NO 2000-US3264	20000602
NO 2000-US20710	20000728
NO 2000-US23128	20000824
US 1997-591159	19970917 (60)
US 1997-591849	19970917 (60)
US 1997-591229	19970917 (60)
US 1997-591179	19970917 (60)
US 1997-591139	19970917 (60)
US 1997-591121	19970917 (60)
US 1997-591199	19970917 (60)
US 1997-592619	19970918 (60)
US 1997-592649	19970918 (60)
US 1997-621259	19971015 (60)
US 1997-622879	19971017 (60)
US 1997-622859	19971017 (60)
US 1997-624869	19971021 (60)
US 1997-626169	19971024 (60)
US 1997-626149	19971024 (60)
US 1997-631279	19971024 (60)
US 1997-631209	19971024 (60)
US 1997-631219	19971024 (60)
US 1997-620459	19971024 (60)
US 1997-631289	19971024 (60)
US 1997-632299	19971027 (60)
US 1997-632279	19971027 (60)
US 1997-635499	19971028 (60)
US 1997-635419	19971028 (60)
US 1997-635509	19971028 (60)
US 1997-635429	19971028 (60)
US 1997-635449	19971028 (60)
US 1997-635649	19971028 (60)
US 1997-637249	19971029 (60)
US 1997-637289	19971029 (60)
US 1997-637049	19971029 (60)
US 1997-634359	19971029 (60)
US 1997-642159	19971029 (60)
US 1997-637279	19971029 (60)
US 1997-643039	19971031 (60)
US 1997-648709	19971031 (60)
US 1997-642469	19971103 (60)
US 1997-648099	19971107 (60)
US 1997-651869	19971112 (60)
US 1997-658469	19971117 (60)
US 1997-658919	19971118 (60)
US 1997-661209	19971121 (60)
US 1997-663649	19971121 (60)
US 1997-667729	19971124 (60)
US 1997-664669	19971124 (60)
US 1997-667709	19971124 (60)
US 1997-665119	19971124 (60)

16 ANSWER 5 OF 63 USPATFULL (Continued)

US 1997-664539	19971124 (60)
US 1997-668409	19971125 (60)
US 1997-694259	19971212 (60)
US 1998-880269	19980604 (60)
US 1998-998039	19980910 (60)
US 1998-100269	19980914 (60)
US 1998-100589	19980917 (60)
US 1998-104089	19981011 (60)
US 1998-1092049	19981120 (60)
US 1998-1132949	19981222 (60)
US 1999-1430489	19990707 (60)
US 1999-1456939	19990726 (60)
US 1999-1462229	19990728 (60)

DOCUMENT TYPE: Utility
 FILE SEQUENCE: APPLICATION
 LEGAL REPRESENTATIVE: DOUGHE, MARTENS, OLSON & BEAR, LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614

NUMBER OF CLAIMS: 38
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 124 Drawing Page(s)
 LINE COUNT: 21761

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising these nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

IT 421903-66-7
 (amino acid sequence; secreted and transmembrane proteins of human and cDNA encoding them)

RN 421903-66-7 USPATFULL
 CN Protein PRO1186 (human clone DNA60621-1516) (SCI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

16 ANSWER 6 OF 63 USPATFULL
 ACCESSION NUMBER: 2003:106166 USPATFULL
 TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same
 ASHKENAZI, AVI, San Mateo, CA, UNITED STATES
 INVENTOR(S): Botstein, David, Belmont, CA, UNITED STATES
 Desnoyers, Luc, San Francisco, CA, UNITED STATES
 Batson, Dan L., San Rafael, CA, UNITED STATES
 Ferrara, Napoleone, San Francisco, CA, UNITED STATES
 Filvaroff, Ellen, San Francisco, CA, UNITED STATES
 Fong, Sherman, Alameda, CA, UNITED STATES
 Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
 Gerber, Hanspeter, San Francisco, CA, UNITED STATES
 Gerritsen, Mary E., San Mateo, CA, UNITED STATES
 Goddard, Audrey, San Francisco, CA, UNITED STATES
 Godowski, Paul J., Burlingame, CA, UNITED STATES
 Grimsfeld, J. Christopher, San Francisco, CA, UNITED STATES
 Gurney, Austin L., Belmont, CA, UNITED STATES
 Hillan, Kenneth J., San Francisco, CA, UNITED STATES
 Kijavini, Iver J., Lafayette, CA, UNITED STATES
 Mather, Jennie P., Millbrae, CA, UNITED STATES
 Pan, James, Belmont, CA, UNITED STATES
 Paoni, Nicholas P., Belmont, CA, UNITED STATES
 Roy, Margaret Ann, San Francisco, CA, UNITED STATES
 Stewart, Timothy A., San Francisco, CA, UNITED STATES
 Tuma, Daniel, Grinda, CA, UNITED STATES
 Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
 Wood, William I., Hillsborough, CA, UNITED STATES
 Genentech, Inc. (U.S. corporation)

PATENT ASSIGNOR(S):
 NUMBER KIND DATE
 US 2003073077 A1 20030417
 APPLICATION INFO: US 2001-905088 A1 20010712 (9)
 RELATED APPL. INFO: Continuation of Ser. No. US 2000-665350, filed on 18 Sep 2000, PENDING

PRIORITY INFORMATION:
 NUMBER DATE
 WO 1998-021824 19980809
 WO 1998-051917 19980914
 WO 1998-051930 19980916
 WO 1998-051947 19980917
 WO 1998-0525108 19980901
 WO 1998-052694 19980908
 WO 1999-052094 19990913

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65)
 US 1997-59184P 19970917 (60)
 US 1997-59122P 19970917 (60)
 US 1997-59117P 19970917 (60)
 US 1997-59113P 19970917 (60)
 US 1997-59121P 19970917 (60)
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 US 1997-59263P 19970918 (60)
 US 1997-59266P 19970918 (60)

16 ANSWER 6 OF 63 USPATFULL (Continued)

NUMBER OF CLAIMS: 38
 EXEMPTORY CLAIM: 1
 NUMBER OF DRAWINGS: 124 Drawing Page(s)
 LINE COUNT: 21385

AS INDEXING IS AVAILABLE FOR THIS PATENT

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences.

chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

IT 431901-66-7P
 (Amino acid sequence; secreted and transmembrane proteins of human and cDNA encoding them)

RN 491901-66-7 USPATFULL
 CW Protein P901186 (Human clone DNA60621-1516) (NCI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

16 ANSWER 6 OF 63 USPATFULL (Continued)
 US 1997-62125P 19971015 (60)
 US 1997-62267P 19971017 (60)
 US 1997-62289P 19971017 (60)
 US 1997-63486P 19971021 (60)
 US 1997-62816P 19971024 (60)
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 US 1997-63704P 19971029 (60)
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 US 1997-65692P 19971118 (60)
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 US 1997-66770P 19971124 (60)
 US 1997-66511P 19971124 (60)
 US 1997-66453P 19971124 (60)
 US 1997-66840P 19971125 (60)
 US 1997-69425P 19971212 (60)
 US 1998-68024P 19980604 (60)
 US 1998-69802P 19980910 (60)
 US 1998-100262P 19980914 (60)
 US 1998-100582P 19980917 (60)
 US 1998-104080P 19981013 (60)
 US 1998-109304P 19981210 (60)
 US 1998-113296P 19981222 (60)
 US 1999-143048P 19990707 (60)
 US 1999-145698P 19990726 (60)
 US 1999-146222P 19990728 (60)

DOCUMENT TYPE: UTILITY
 FILE SECTENT: APPLICATION
 LEGAL REPRESENTATIVE: DOUGLAS, HARTNESS, OLSON & BEAR, LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614

16 ANSWER 7 OF 63 USPATFULL

ACCESSION NUMBER: 2003:93562 USPATFULL
 TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same
 ASHKENAZI, AVI, San Mateo, CA, UNITED STATES
 INVENTOR(S): Botstein, David, Belmont, CA, UNITED STATES
 Desnoyers, Luc, San Francisco, CA, UNITED STATES
 Batson, Dan L., San Rafael, CA, UNITED STATES
 Ferrara, Napoleone, San Francisco, CA, UNITED STATES
 Filvaroff, Ellen, San Francisco, CA, UNITED STATES
 Fong, Sherman, Alameda, CA, UNITED STATES
 Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
 Gerber, Hanspeter, San Francisco, CA, UNITED STATES
 Gerritsen, Mary E., San Mateo, CA, UNITED STATES
 Goddard, Audrey, San Francisco, CA, UNITED STATES
 Godowski, Paul J., Burlingame, CA, UNITED STATES
 Grimsfeld, J. Christopher, San Francisco, CA, UNITED STATES
 Gurney, Austin L., Belmont, CA, UNITED STATES
 Hillan, Kenneth J., San Francisco, CA, UNITED STATES
 Kijavini, Iver J., Lafayette, CA, UNITED STATES
 Mather, Jennie P., Millbrae, CA, UNITED STATES
 Pan, James, Belmont, CA, UNITED STATES
 Paoni, Nicholas P., Belmont, CA, UNITED STATES
 Roy, Margaret Ann, San Francisco, CA, UNITED STATES
 Stewart, Timothy A., San Francisco, CA, UNITED STATES
 Tuma, Daniel, Grinda, CA, UNITED STATES
 Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
 Wood, William I., Hillsborough, CA, UNITED STATES
 Genentech, Inc. (U.S. corporation)

PATENT ASSIGNOR(S):
 NUMBER KIND DATE

PATENT INFORMATION: US 2003064923 A1 20030403
 APPLICATION INFO: US 2001-905148 A1 20010713 (9)
 RELATED APPL. INFO: Continuation of Ser. No. US 2000-665350, filed on 18 Sep 2000, PENDING

PRIORITY INFORMATION:
 NUMBER DATE
 WO 1998-021824 19980809
 WO 1998-051917 19980914
 WO 1998-051930 19980916
 WO 1998-051947 19980917
 WO 1998-0525108 19981201
 WO 1998-052694 19980908
 WO 1999-052094 19990913
 WO 1999-0521090 19990915
 WO 1999-0521547 19990916
 WO 1999-0521089 19991005
 WO 1999-0528214 19991130
 WO 1999-0528313 19991130
 WO 1999-0528301 19991201
 WO 1999-0528564 19991202
 WO 1999-0528565 19991202
 WO 1999-0510095 19991216
 WO 1999-0510999 19991220
 WO 1999-0510911 19991220
 WO 2000-05119 20000105
 WO 2000-053565 20000211
 WO 2000-054414 20000222

L6 ANSWER 7 OF 63 USPTAFULL (Continued)

WO 2000-095004	20000224
WO 2000-095841	20000302
WO 2000-097377	20000320
WO 2000-098439	20000330
WO 2000-0984042	20000522
WO 2000-0983264	20000602
WO 2000-0980710	20000728
WO 2000-0923228	20000824
US 1997-591129	19970917 (60)
US 1997-591149	19970917 (60)
US 1997-591229	19970917 (60)
US 1997-591179	19970917 (60)
US 1997-591139	19970917 (60)
US 1997-591219	19970917 (60)
US 1997-591199	19970917 (60)
US 1997-592619	19970918 (60)
US 1997-592669	19970918 (60)
US 1997-621259	19971016 (60)
US 1997-622879	19971017 (60)
US 1997-622859	19971017 (60)
US 1997-624869	19971021 (60)
US 1997-628169	19971024 (60)
US 1997-628149	19971024 (60)
US 1997-631279	19971024 (60)
US 1997-631209	19971024 (60)
US 1997-631219	19971024 (60)
US 1997-630459	19971024 (60)
US 1997-631899	19971024 (60)
US 1997-633299	19971027 (60)
US 1997-633279	19971027 (60)
US 1997-635699	19971028 (60)
US 1997-635619	19971028 (60)
US 1997-635659	19971028 (60)
US 1997-635629	19971028 (60)
US 1997-635649	19971028 (60)
US 1997-635649	19971028 (60)
US 1997-637319	19971029 (60)
US 1997-637389	19971029 (60)
US 1997-637049	19971029 (60)
US 1997-634359	19971029 (60)
US 1997-642159	19971029 (60)
US 1997-637359	19971029 (60)
US 1997-637329	19971029 (60)
US 1997-641039	19971031 (60)
US 1997-638709	19971031 (60)
US 1997-642489	19971103 (60)
US 1997-648099	19971107 (60)
US 1997-651869	19971112 (60)
US 1997-658469	19971117 (60)
US 1997-656939	19971118 (60)
US 1997-661209	19971121 (60)
US 1997-663649	19971121 (60)
US 1997-667729	19971124 (60)
US 1997-664669	19971124 (60)
US 1997-667709	19971124 (60)
US 1997-665119	19971124 (60)

L6 ANSWER 8 OF 63 USPTAFULL

ACCESSION NUMBER: 2003:79303 USPTAFULL

TITLE: 12 human secreted proteins

INVENTOR(S): Ni, Jian, Germantown, MD, UNITED STATES
Young, Paul R., Gaithersburg, MD, UNITED STATES
Kenny, Joseph J., Damascus, MD, UNITED STATES
Olsen, Henrik A., Gaithersburg, MD, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Wei, Ying-Fei, Berkeley, CA, UNITED STATES
Greene, John M., Gaithersburg, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Liu, Ding, Gaithersburg, MD, UNITED STATES
Crocker, Paul R., Dundee, UNITED KINGDOM

NUMBER	KIND	DATE
US 2003055231	A1	20030320
US 2001-984130	A1	20011029 (9)

PATENT INFORMATION: Continuation-in-part of Ser. No. US 2001-836283, filed on 18 Apr 2001, PENDING Continuation-in-part of Ser. No. WO 1999-US25031, filed on 27 Oct 1999, UNKNOWN

NUMBER	DATE
US 2000-243792P	20001030 (60)

LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20855

NUMBER OF CLAIMS: 23

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 67 Drawing Page(s)

LINE COUNT: 31982

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to 12 novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins.

IT 501239-64-8 (unclaimed protein sequence; cloning and cDNA and deduced amino acid sequences of 12 human secreted proteins)

RN 501293-64-8 USPTAFULL

CN 100: PW: US20030055231 SEQID: 99 unclaimed protein (9C1) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 7 OF 63 USPTAFULL (Continued)

US 1997-66452P	19971124 (60)
US 1997-66840P	19971125 (60)
US 1997-69420P	19971212 (60)
US 1998-88024P	19980604 (60)
US 1998-99803P	19980910 (60)
US 1998-10032P	19980914 (60)
US 1998-10058P	19980917 (60)
US 1998-10408P	19981013 (60)
US 1998-109304P	19981120 (60)
US 1998-11338P	19981222 (60)
US 1999-14304P	19990707 (60)
US 1999-14569P	19990726 (60)
US 1999-14622P	19990728 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: KNOBE, MARTENS, OLSON & BEAR, LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614

NUMBER OF CLAIMS: 38

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 124 Drawing Page(s)

LINE COUNT: 21852

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences.

chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

IT 432901-66-7P (amino acid sequence; secreted and transmembrane proteins of human and cDNAs encoding them)

RN 491901-66-7 USPTAFULL

CN Protein PRO186 (human clone DNA60621-1516) (9C1) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 9 OF 63 USPTAFULL

ACCESSION NUMBER: 2003:78528 USPTAFULL

TITLE: T1R taste receptors and genes encoding same

INVENTOR(S): Adler, Jon Elliot, San Diego, CA, UNITED STATES
Li, Xiaodong, San Diego, CA, UNITED STATES
Staszewski, Lena, San Diego, CA, UNITED STATES
O'Connell, Shawn, Encinitas, CA, UNITED STATES
Sotulava, Sargay, San Diego, CA, UNITED STATES
Senomyx, Inc., La Jolla, CA (U.S. corporation)

NUMBER	KIND	DATE
US 2003054448	A1	20030320
US 2003-350458	A1	20030103 (10)

NUMBER	DATE
US 2001-259227P	20010103 (60)
US 2001-284547P	20010419 (60)

PATENT INFORMATION: Utility

DOCUMENT TYPE: APPLICATION

LEGAL REPRESENTATIVE: PILLBURY WINTHROP, LLP, P.O. BOX 10500, MCLEAN, VA, 22103

NUMBER OF CLAIMS: 234

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 6 Drawing Page(s)

LINE COUNT: 4429

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Newly identified mammalian taste cell-specific G protein-coupled receptors, and the genes and cDNA encoding said receptors are described.

Specifically, T1R G protein-coupled receptors active in taste signaling, and the genes and cDNA encoding the same, are described, along with methods for isolating such genes and for isolating and expressing such receptors. Methods for representing taste perception of a particular taste stimulus in a mammal are also described, as are methods for generating novel molecules or combinations of molecules that elicit a predetermined taste perception in a mammal, and methods for stimulating one or more tastes. Further, methods for stimulating or blocking taste perception in a mammal are also disclosed.

IT 360584-85-6P, Taste receptor T1R3 (human) 360584-89-0P, Taste receptor T1R3 (rat fragment) 360584-91-4P, Taste receptor T1R3 (rat)

(amino acid sequence; genes and cDNAs encoding T1R taste receptors and uses thereof)

RN 360584-85-4 USPTAFULL

CN Taste receptor T1R3 (human) (9C1) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

RN 360584-89-0 USPTAFULL

CN Taste receptor T1R3 (rat fragment) (9C1) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

RN 360584-91-4 USPTAFULL

CN Taste receptor T1R3 (rat) (9C1) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L4 ANSWER 10 OF 63 USPATFULL
 ACCESSION NUMBER: 2003:72169 USPATFULL
 TITLE: Novel G protein-coupled receptors
 INVENTOR(S): Vogels, Gabriel, Seattle, WA, UNITED STATES
 Wood, Linda S., Portage, MI, UNITED STATES
 Lind, Peter, Uppsala, SWEDEN

NUMBER	KIND	DATE
US 2003050456	A1	20030313
APPLICATION INFO:	US 2001-793279	A1 20010223 (9)

PRIORITY INFORMATION:

NUMBER	DATE
US 2000-184715P	20000224 (60)
US 2000-184725P	20000224 (60)
US 2000-184712P	20000224 (60)
US 2000-184606P	20000224 (60)
US 2000-184602P	20000224 (60)
US 2000-184604P	20000224 (60)
US 2000-184822P	20000224 (60)
US 2000-184710P	20000224 (60)
US 2000-184689P	20000224 (60)
US 2000-184690P	20000224 (60)
US 2000-184716P	20000224 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: WOODCOCK WASHBURN KURTZ MACHENICE & MORRIS LLP,
 ATTENTION: SUZANNE E. MILLER ESQ., ONE LIBERTY PLACE,
 46TH FLOOR, PHILADELPHIA, PA, 19103

NUMBER OF CLAIMS: 81
 EXEMPLARY CLAIM: 1
 LINE COUNT: 10474

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention provides a gene encoding a G protein-coupled receptor termed nGPCR-x; constructs and recombinant host cells incorporating the gene; the nGPCR-x polypeptides encoded by the gene; antibodies to the nGPCR-x polypeptides; and methods of making and using all of the foregoing.

IT 357688-12-5 (nucleotide sequence; human G protein-coupled receptors and their cDNA sequences and tissue expression profiles)
 RN 357688-12-5 USPATFULL
 CN G protein-coupled receptor (human clone nGPCR-2033 fragment) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L4 ANSWER 12 OF 63 USPATFULL
 ACCESSION NUMBER: 2003:64662 USPATFULL
 TITLE: Methods for diagnosis and treatment of diseases associated with altered expression of JAK1
 INVENTOR(S): Pedersen, Finn Skou, Aarhus V, DENMARK
 Sorensen, Annette Balle, Aarhus N, DENMARK
 Martin, Javier Hernandez, Aarhus N, DENMARK

NUMBER	KIND	DATE
US 2003044803	A1	20030206
APPLICATION INFO:	US 2001-962854	A1 20010924 (9)
RELATED APPL. INFO:	Continuation-in-part of Ser. No. US 2000-668644, filed on 22 Sep 2000, PENDING	

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: Robin M. Silva, Esq., FLEHR HOHBACH TEST ALBRITTON & HERBERT LLP, Suite 3400, Four Embarcadero Center, San Francisco, CA, 94111-4187

NUMBER OF CLAIMS: 19
 EXEMPLARY CLAIM: 1
 LINE COUNT: 2559

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention relates to novel compositions and methods related to JAK1 for use in diagnosis and treatment of lymphoma and leukemia. In addition, the present invention describes the use of such novel compositions for use in screening methods.

IT 509230-99-9 (amino acid sequence; methods for diagnosis and treatment of diseases assocd. with altered expression of JAK1)
 RN 509230-99-9 USPATFULL
 CN Kinase (phosphorylating), JAK1 protein (mouse) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE
 RN 509230-99-0 USPATFULL
 CN Kinase (phosphorylating), JAK1 protein (mouse) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L4 ANSWER 11 OF 63 USPATFULL
 ACCESSION NUMBER: 2003:71439 USPATFULL
 TITLE: 52906, 33408, and 12189, novel potassium channel family members and uses thereof
 INVENTOR(S): Curtis, Rory A., Southborough, MA, UNITED STATES

NUMBER	KIND	DATE
US 2003049724	A1	20030313
APPLICATION INFO:	US 2001-875321	A1 20010606 (9)

-----User Break-----
 peptides and anti-52906, 33408, or 12189 antibodies. Diagnostic methods utilizing compositions of the invention are also provided.

IT 380990-52-3P (amino acid sequence; protein and cDNA sequences of novel human potassium channel sequence homologs and uses thereof)
 RN 380990-52-3 USPATFULL
 CN Protein (human clone 52906 potassium channel sequence homolog) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L4 ANSWER 13 OF 63 USPATFULL
 ACCESSION NUMBER: 2003:64675 USPATFULL
 TITLE: Reactions on dendrimers
 INVENTOR(S): Herli, Bruce P., Madison, WI, UNITED STATES
 Hall, Jeff G., Madison, WI, UNITED STATES
 Lyamichev, Victor, Madison, WI, UNITED STATES
 Smith, Lloyd M., Madison, WI, UNITED STATES

NUMBER	KIND	DATE
US 2003044796	A1	20030306
APPLICATION INFO:	US 2001-940244	A1 20010827 (9)
RELATED APPL. INFO:	Continuation-in-part of Ser. No. US 2000-732622, filed on 8 Dec 2000, PENDING	

US 1999-350309, filed on 9 Jul 1999, GRANTED, Pat. No. US 6348334 Division of Ser. No. US 1996-756186, filed on 26 Nov 1996, GRANTED, Pat. No. US 5985557 Division of Ser. No. US 2000-381219, filed on 8 Feb 2000, PENDING A 371 of International Ser. No. WO 1998-055809, filed on 24 Mar 1998, UNKNOWN

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: David A. Ciesimir, MEDLEN & CARROLL, LLP, Suite 350, 101 Howard Street, San Francisco, CA, 94104

NUMBER OF CLAIMS: 38
 EXEMPLARY CLAIM: 1
 LINE COUNT: 210 Drawing Page(s)
 15736

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention relates to compositions and methods for the detection and characterization of nucleic acid sequences and variations in nucleic acid sequences. The present invention relates to methods for forming a nucleic acid cleavage structure on dendrimers and cleaving the nucleic acid cleavage structure in a site-specific manner. For example, in some embodiments, a 5' nuclease activity from any of a variety of enzymes is used to cleave the target-dependent cleavage structure, thereby indicating the presence of specific nucleic acid sequences or specific variations thereof.

IT 501039-65-2 (unclaimed sequence; invader hybridization and cleavage assay using probes immobilized on dendrimer particles)
 RN 501039-65-2 USPATFULL
 CN 60: PH: US20020044796 FIGURE: 59A unclaimed sequence (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 14 OF 63 USPATFULL
 ACCESSION NUMBER: 2003157419 USPATFULL
 TITLE: Compositions and methods relating to prostate specific genes and proteins
 INVENTOR(S): Sun, Yongming, San Jose, CA, UNITED STATES
 Racipon, Herve E., San Francisco, CA, UNITED STATES
 Chen, Sei-Yu, Foster City, CA, UNITED STATES
 Liu, Chenghua, San Jose, CA, UNITED STATES

NUMBER	KIND	DATE
US 2003039983	A1	20030227
APPLICATION INFO:	A1	20011101 (10)

NUMBER	DATE
US 2000-244782P	20001101 (60)

PRIORITY INFORMATION: US 2000-244782P
 DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: LICHTLA & TYRRELL P.C., 66 E. MAIN STREET, MARLTON, NJ, 08053

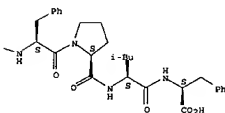
NUMBER OF CLAIMS: 17
 EXEMPLARY CLAIM: 1
 LINE COUNT: 997
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to newly identified nucleic acids and polypeptides present in normal and neoplastic prostate cells, including fragments, variants and derivatives of the nucleic acids and polypeptides. The present invention also relates to antibodies to the polypeptides of the invention, as well as agonists and antagonists of the polypeptides of the invention. The invention also relates to compositions comprising the nucleic acids, polypeptides, antibodies, variants, derivatives, agonists and antagonists of the invention and methods for the use of these compositions. These uses include identifying, diagnosing, monitoring, staging, imaging and treating prostate cancer and non-cancerous disease states in prostate tissue, identifying prostate tissue, monitoring and identifying and/or designing agonists and antagonists of polypeptides of the invention. The uses also include gene therapy, production of transgenic animals and cells, and production of engineered prostate tissue for treatment and research.

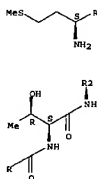
IT 432029-97-19 (amino acid sequence; protein and cDNA sequences of novel human prostate-specific genes and proteins and their use for cancer diagnosis, drug screening, and vaccines)
 RN 432029-97-5 USPATFULL
 CN L-Phenylalanine,
 L-methionyl-L-threonyl-L-tyrosyl-L-cysteonyl-L-seryl-L-prolyl-L-leucyl-L-threonyl-L-leucyl-L-phenylalanyl-L-leucyl-L-histidyl-L-phenylalanyl-L-isoleucyl-L-leucyl-L-threonyl-L-threonyl-L-isoleucyl-L-phenylalanyl-L-phenylalanyl-L-leucyl-L-alanyl-L-prolyl-L-phenylalanyl-L-prolyl-L-leucyl- (SCI) (CA INDEX NAME)
 Absolute stereochemistry.

L6 ANSWER 14 OF 63 USPATFULL (Continued)

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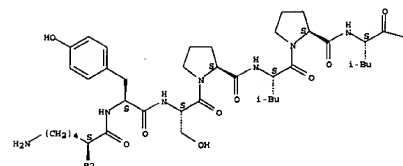


PAGE 2-A

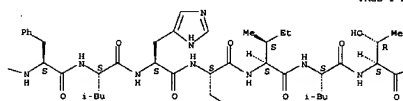


L6 ANSWER 14 OF 63 USPATFULL (Continued)

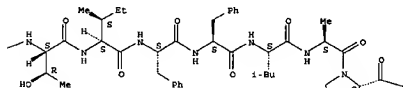
PAGE 1-A



PAGE 1-B



PAGE 1-C



L6 ANSWER 15 OF 63 USPATFULL
 ACCESSION NUMBER: 200315132 USPATFULL
 TITLE: Isolated human G-protein coupled receptors, nucleic acid molecules encoding human GPCR proteins, and uses thereof
 INVENTOR(S): Wei, Ning-Hui, Germantown, MD, UNITED STATES
 Zhong, Wenyan, Gaithersburg, MD, UNITED STATES
 Katchun, Karen A., Germantown, MD, UNITED STATES
 Di Francesco, Valentina, Rockville, MD, UNITED STATES
 Beasley, Ellen M., Darnestown, MD, UNITED STATES
 APPLERA CORPORATION, Norwalk, CT, UNITED STATES (non-U.S. corporation)

NUMBER	KIND	DATE
US 2003036089	A1	20030320
APPLICATION INFO:	A1	20031003 (10)
RELATED APPL. INFO:		Continuation of Ser. No. US 2000-684393, filed on 10 Oct 2000, PENDING

NUMBER	DATE
US 1999-17260CP	19991220 (60)

PRIORITY INFORMATION: US 1999-17260CP
 DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: CELERA GENOMICS CORP., ATTN: WAYNE MONTGOMERY, VICE PRES, INTEL PROPERTY, 45 WEST GULF DRIVE, C2-4820, ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 23
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 10 Drawing Page(s)
 LINE COUNT: 2111
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention provides amino acid sequences of peptides that are encoded by genes within the Human genome, the GPCR peptides of the present invention. The present invention specifically provides isolated peptides and nucleic acid molecules, methods of identifying orthologs and paralogues of the GPCR peptides and methods of identifying modulators of the GPCR peptides.
 IT 410804-69-2 (amino acid sequence; protein and cDNA sequences of a novel human G-protein coupled receptor sequence homolog and its uses in drug screening)
 RN 410804-69-2 USPATFULL
 CN Protein (human G-protein coupled receptor sequence homolog) (SCI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 16 OF 63 USPATFULL
 ACCESSION NUMBER: 2003:51117 USPATFULL
 TITLE: <-----User Break----->
 ention also provides antisense nucleic acid molecules, recombinant expression vectors containing the nucleic acid molecules of the invention, host cells into which the expression vectors have been introduced, and nonhuman transgenic animals in which a sequence of the invention has been introduced or disrupted. The invention still further provides isolated proteins, fusion proteins, antigenic peptides and antibodies. Diagnostic methods utilizing compositions of the invention are also provided.

IT 497997-95-2
 (unclaimed protein sequence); cloning, sequences and diagnostic, therapeutic and drug screening use of novel human transporters, and human homologs of ATPase, ubiquitin hydrolase, and ubiquitin conjugating enzyme)

RN 497997-95-2 USPATFULL
 CN 37: PN: US20030050674 SEQID: 22 unclaimed protein (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 17 OF 63 USPATFULL
 ACCESSION NUMBER: 2003:32038 USPATFULL
 TITLE: Novel G protein-coupled receptors
 INVENTOR(S): Vogeli, Gabriel, Seattle, WA, UNITED STATES

NUMBER	KIND	DATE
US 2003023992	A1	20030310
US 2001-862540	A1	20010522 (9)

PATENT INFORMATION: US 2003023992
 APPLICATION INFO.: US 2001-862540

NUMBER	DATE
US 2000-206118P	20000522 (60)
US 2000-206139P	20000523 (60)
US 2000-208976P	20000602 (60)

PRIORITY INFORMATION: US 2000-206118P
 DOCUMENT TYPE: US 2000-208976P
 FILE SEGMENT: Utility
 LEGAL REPRESENTATIVE: WOODCOCK WASHBURN KURTZ MACKIEWICZ & NORRIS LLP, ATTENTION: SUZANNE E. MILLER ESQ., ONE LIBERTY PLACE, 46TH FLOOR, PHILADELPHIA, PA, 19103

NUMBER OF CLAIMS: 63
 EXEMPLARY CLAIM: 1
 LINE COUNT: 5817
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides a gene encoding a G protein-coupled receptor termed nGPCR-x; constructs and recombinant host cells incorporating the gene; the nGPCR-x polypeptides encoded by the gene; antibodies to the nGPCR-x polypeptides; and methods of making and using all of the foregoing.

IT 378803-84-0P
 (amino acid sequence; novel G protein-coupled receptor sequence homologs from human and uses in treatment and diagnosis of mental disorder thereof)

RN 378803-84-0 USPATFULL
 CN G protein-coupled receptor nGPCR-2651 (human) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 18 OF 63 USPATFULL
 ACCESSION NUMBER: 2003:23314 USPATFULL
 TITLE: Chronic obstructive pulmonary disease-related immunoglobulin derived proteins, compositions, methods and uses
 INVENTOR(S): Torphy, Theodore J., Bryn Mawr, PA, UNITED STATES

NUMBER	KIND	DATE
US 2002-99007	A1	20020314 (10)

PATENT INFORMATION: US 20020317150
 APPLICATION INFO.: US 2002-99007

NUMBER	DATE
US 2001-275652P	20010314 (60)

PRIORITY INFORMATION: US 2001-275652P
 DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: AUDLEY A. CIAMPORCERO JR., JOHNSON & JOHNSON, ONE JOHNSON & JOHNSON PLAZA, NEW BRUNSWICK, NJ, 08933-7003

NUMBER OF CLAIMS: 101
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 1 Drawing Page(s)
 LINE COUNT: 5131
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to at least one novel COPD-related human Ig derived protein or specified portion or variant, including isolated nucleic acids that encode at least one COPD-related Ig derived protein or specified portion or variant, COPD-related Ig derived protein or specified portion or variant, vectors, host cells, transgenic animals or plants, and methods of making and using thereof, including therapeutic compositions, methods and devices.

IT 460781-23-3, Antigen CD8 receptor (human)
 (amino acid sequence; chronic obstructive pulmonary disease-related Ig derived proteins and compns. for treating COPD-related diseases)

RN 460781-23-3 USPATFULL
 CN Antigen CD8 receptor (human) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 19 OF 63 USPATFULL
 ACCESSION NUMBER: 2003:10549 USPATFULL
 TITLE: T1R taste receptors and genes encoding same
 INVENTOR(S): Adler, Jon Elliot, San Diego, CA, UNITED STATES
 Zouliya, Sergey, San Diego, CA, UNITED STATES
 Li, Xiaodong, San Diego, CA, UNITED STATES
 O'Connell, Shawn, Encinitas, CA, UNITED STATES
 Slawoski, Lena, San Diego, CA, UNITED STATES

NUMBER	KIND	DATE
US 2003008144	A1	20030109
US 2001-799629	A1	20010307 (9)

PATENT INFORMATION: US 2003008144
 APPLICATION INFO.: US 2001-799629

NUMBER	DATE
US 2000-187546P	20000307 (60)
US 2000-195526P	20000407 (60)
US 2000-208940P	20000606 (60)
US 2000-214213P	20000623 (60)
US 2000-226448P	20000817 (60)
US 2001-259227P	20010101 (60)

PRIORITY INFORMATION: US 2000-187546P
 DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: Pillsbury Winthrop LLP, Intellectual Property Group, East Tower, Ninth Floor, 1100 New York Avenue, N.W., Washington, DC, 20005-3918

NUMBER OF CLAIMS: 234
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 1 Drawing Page(s)
 LINE COUNT: 4237
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Newly identified mammalian taste-cell-specific G protein-coupled receptors, and the genes and cDNA encoding said receptors are described. Specifically, T1R G protein-coupled receptors active in taste signaling, and the genes and cDNA encoding the same, are described, along with methods for isolating such genes and for isolating and expressing such receptors. Methods for representing taste perception of a particular tastant in a mammal are also described, as are methods for generating novel molecules or combinations of molecules that elicit a predetermined taste perception in a mammal, and methods for simulating one or more tastes. Further, methods for stimulating or blocking taste perception in a mammal are also disclosed.

IT 360584-85-6P, Taste receptor T1R3 (human) 360584-89-0P,
 Taste receptor T1R3 (rat fragment) 360584-91-4P, Taste receptor T1R3 (rat)
 (amino acid sequence; genes and cDNAs encoding T1R taste receptors and uses thereof)

RN 360584-85-4 USPATFULL
 CN Taste receptor T1R3 (human) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

RN 360584-89-0 USPATFULL
 CN Taste receptor T1R3 (rat fragment) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

RN 360584-91-4 USPATFULL

L6 ANSWER 19 OF 63 USPATFULL (Continued)
CN Taste receptor T1R3 (ret) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 20 OF 63 USPATFULL
ACCESSION NUMBER: 2003:89258 USPATFULL
TITLE: Nucleic acid encoding PTHrP receptor
INVENTOR(S): Juppner, Harold, Cambridge, MA, United States
Rubin, David A., Needham, MA, United States
PATENT ASSIGNER(S): The General Hospital Corporation, Boston, MA, United States (U.S. corporation)

NUMBER	KIND	DATE
US 6541220	B1	20030401
US 1999-449632		19991130 (9)

NUMBER	DATE
US 1998-110467P	19981130 (60)

PRIORITY INFORMATION:
DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Merts, Fenna
LEGAL REPRESENTATIVE: Sterne, Kessler, Goldstein & Fox PLLC
NUMBER OF CLAIMS: 33
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 20 Drawing Figure(s); 16 Drawing Page(s)
LINE COUNT: 2932

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel parathyroid hormone (PTH) and parathyroid hormone related protein (PTHrP) receptors (PTH1R and PTH1R) isolated from zebrafish. The receptors of the present invention share homology with previously identified parathyroid hormone (PTH)/parathyroid related protein (PTHrP) receptors. Isolated nucleic acid molecules are provided encoding the zebrafish PTH1R and PTH1R receptors. PTH1R and PTH1R receptor polypeptides are also provided, as are vectors, host cells and recombinant methods for producing the same. The invention further relates to screening methods for identifying agonists and antagonists of PTH1R and PTH1R receptor activity and to diagnostic and therapeutic methods.

IT 250711-40-SDP, subfragments claimed 250711-42-7DP.

(amino acid sequence; cloning and characterization of parathyroid hormone/parathyroid hormone-related peptide receptor PTH1R and PTH1R from zebrafish)

RN 250711-60-5 USPATFULL
CN Parathyroid hormone receptor PTH1R (Danio rerio) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

RN 250711-62-7 USPATFULL
CN Humoral hypercalcemic factor PTHrP parathyroid hormone receptors (Danio rerio) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 21 OF 63 USPATFULL
ACCESSION NUMBER: 2002:344628 USPATFULL
TITLE: Compositions and methods for the detection, diagnosis and therapy of hematological malignancies
INVENTOR(S): Gaiger, Alexander, Seattle, WA, UNITED STATES
Algate, Paul A., Issaquah, WA, UNITED STATES
Mannion, Jane, Seattle, WA, UNITED STATES

NUMBER	KIND	DATE
US 2002196362	A1	20021226
US 2001-796492	A1	20010301 (9)

NUMBER	DATE
US 2000-22378P	20000807 (60)
US 2000-223416P	20000804 (60)
US 2000-222903P	20000803 (60)
US 2000-218950P	20000714 (60)
US 2000-206201P	20000522 (60)
US 2000-202084P	20000504 (60)
US 2000-200999P	20000501 (60)
US 2000-200103P	20000428 (60)
US 2000-200779P	20000428 (60)
US 2000-200545P	20000427 (60)
US 2000-190479P	20000317 (60)
US 2000-186126P	20000301 (60)

PRIORITY INFORMATION:
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, 94111-3834
NUMBER OF CLAIMS: 100
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 5 Drawing Page(s)
LINE COUNT: 15014

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are methods and compositions for the detection, diagnosis, prognosis, and therapy of hematological malignancies, and in particular,

human leukemias and lymphomas of the follicular, Hodgkin's and B cell and T cell non-Hodgkin's types. Disclosed are compositions, methods and kits for eliciting immune and T cell responses to specific malignancy-related antigenic polypeptides and antigenic polypeptide fragments thereof in an animal. Also disclosed are compositions and methods for use in the identification of cells and biological samples containing one or more hematological malignancy-related compositions, and methods for the detection and diagnosis of such diseases and affected cell types. Also disclosed are diagnostic and therapeutic

kits, as well as methods for the diagnosis, therapy and/or prevention of a variety of leukemias and lymphomas.

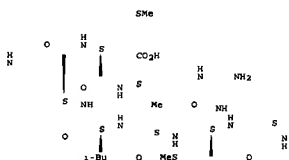
IT 359869-01-5 (amino acid sequence; human nucleic acids and encoded polypeptides differentially expressed in hematol. malignancies and their diagnostic and therapeutic uses)

RN 359869-01-5 USPATFULL
CN Protein (human clone 41853.1.gaiger.ABI_2 open reading frame) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 22 OF 63 USPATFULL (Continued)

L6 ANSWER 23 OF 63 USPATFULL
 ACCESSION NUMBER: 2002:143922 USPATFULL
 TITLE: High throughput screening methods using magnetic resonance imaging agents
 INVENTOR(S): Silva, Robin M., Burlingame, CA, UNITED STATES
 Meade, Thomas J., Willmetts, IL, UNITED STATES
 -----User Break-----
 JH3



L6 ANSWER 23 OF 63 USPATFULL
 ACCESSION NUMBER: 2002:137276 USPATFULL
 TITLE: EG-VEGF nucleic acids and polypeptides and methods of use
 INVENTOR(S): Ferrara, Napoleone, San Francisco, CA, UNITED STATES
 Matarane, Colin, Moraga, CA, UNITED STATES
 Wood, William J., Hillsborough, CA, UNITED STATES
 Shek, Theresa, San Mateo, CA, UNITED STATES

NUMBER	KIND	DATE
US 2002192634	A1	20021219
US 2001-27463	A1	20011219 (16)
PATENT INFORMATION: US 2002192634, filed on 20 Jun 2001, PENDING Continuation-in-part of Ser. No. US 2001-886242, filed on 20 Jun 2001, PENDING Continuation-in-part of Ser. No. WO 2000-US31478, filed on 1 Dec 2000, PENDING Continuation-in-part of Ser. No. WO 2000-US4439, filed on 30 Mar 2000, PENDING Continuation-in-part of Ser. No. WO 2000-US4914, filed on 24 Feb 2000, PENDING Continuation-in-part of Ser. No. WO 2000-US2319, filed on 5 Jan 2000, PENDING Continuation-in-part of Ser. No. WO 1999-US12252, filed on 2 Jun 1999, PENDING Continuation-in-part of Ser. No. US 2000-709238, filed on 8 Nov 2000, PENDING Continuation of Ser. No. US 1980137, PENDING A 371 of International Ser. No. WO 1999-US12252, filed on 2 Jun 1999, PENDING		

NUMBER	DATE
US 2000-23078P	20000907 (60)
US 2000-21367P	20000623 (60)
US 1999-145698P	19990726 (60)
US 1998-96146P	19980811 (60)
US 1998-96146P	19980811 (60)

DOCUMENT TYPE: APPLICATION
 FILE SEGMENT: FIDBIE HARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614
 NUMBER OF CLAIMS: 61
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 59 Drawing Page(s)
 LINE COUNT: 4926
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention is directed to novel polypeptides designated herein as EG- VEGF and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention. Also provided herein are methods of screening for modulators of EG-VEGF. Furthermore, methods and related methods of treatment are described herein which pertain to regulating cellular proliferation and chemotaxis.
 IT 478898-08-7

L6 ANSWER 23 OF 63 USPATFULL (Continued)
 (amino acid sequence; endocrine gland-derived vascular endothelial growth factor nucleic acids and polypeptides and their biol. activities and use in drug screening and therapies)
 RN 478898-08-7 USPATFULL
 CN Vascular endothelial growth factor (human clone DNA60621-1516 endocrine gland-derived) (SCI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 24 OF 63 USPATFULL
 ACCESSION NUMBER: 2002:301201 USPATFULL
 TITLE: Transacylases of the paelitaxel biosynthetic pathway
 INVENTOR(S): Croteau, Rodney B., Pullman, WA, UNITED STATES
 Walker, Kevin D., Pullman, WA, UNITED STATES
 Schoendorf, Anne, Pullman, WA, UNITED STATES
 Wildung, Mark R., Colfax, WA, UNITED STATES
 Washington State University Research Foundation (U.S. corporation)

NUMBER	KIND	DATE
US 200168745	A1	20011114
US 2001-864570	A1	20010228 (9)
PATENT INFORMATION: Division of Ser. No. US 1999-457046, filed on 7 Dec 1999, GRANTED, Pat. No. US 6287835		
Continuation-in-part of Ser. No. US 1999-41145, filed on 20 Sep 1999, ABANDONED		
DOCUMENT TYPE: Utility		
FILE SEGMENT: APPLICATION		
LEGAL REPRESENTATIVE: One		
Street, World Trade Center, Suite 1600, 121 S.W. Salmon		
Portland, OR, 97204		
NUMBER OF CLAIMS: 34		
EXEMPLARY CLAIM: 1		
NUMBER OF DRAWINGS: 33 Drawing Page(s)		
LINE COUNT: 4463		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		
AB Transacylases enzymes and the use of such enzymes to produce Taxol.TM., related taxoids, as well as intermediates in the Taxol.TM. biosynthetic pathway are disclosed. Also disclosed are nucleic acid sequences encoding the transacylase enzymes.		
IT 321777-37-1 (unclaimed protein sequence; Taxus cuspidata transacylase enzymes involved in Taxol (paclitaxel) prodn. and sequences and substrates and recombinant prodn.)		
RN 321777-37-1 USPATFULL		
CN 72139-8 (Arabidopsis thaliana clone F2139) (SCI) (CA INDEX NAME)		

STRUCTURE DIAGRAM IS NOT AVAILABLE

16 ANSWER 25 OF 63 USPATFULL
 ACCESSION NUMBER: 2002-25902 USPATFULL
 TITLE: Nucleic acids, proteins, and antibodies
 INVENTOR(S): Ruben, Steven M., Olney, MD, UNITED STATES
 Baran, Steven C., Rockville, MD, UNITED STATES
 Rosen, Craig A., Laytonville, MD, UNITED STATES
 Birse, Charles E., North Potomac, MD, UNITED STATES
 PATENT ASSIGNER(S): Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)

NUMBER	KIND	DATE
US 2002185137	A1	20021107
US 2001-160470	A1	20010521 (9)

PATENT INFORMATION: US 2002185137
 APPLICATION INFO: Continuation-in-part of Ser. No. WO 2001-US1346, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764859, filed on 17 Jan 2001, PENDING

PATENT INFORMATION: US 2002185137
 APPLICATION INFO: Continuation-in-part of Ser. No. WO 2001-US1346, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764859, filed on 17 Jan 2001, PENDING

PRIORITY INFORMATION:

NUMBER	DATE
US 2000-205515P	20000519 (60)
US 2000-179065P	20000131 (60)
US 2001-180520P	20000204 (60)
US 2000-225477P	20000814 (60)
US 2000-218290P	20000714 (60)
US 2000-218800P	20000707 (60)
US 2000-234977P	20000925 (60)
US 2000-239343P	20000901 (60)
US 2000-216167P	20000939 (60)
US 2000-239377P	20001013 (60)
US 2000-249210P	20001117 (60)
US 2000-249211P	20001117 (60)
US 2000-249214P	20001117 (60)
US 2000-231243P	20000908 (60)
US 2000-246477P	20001108 (60)
US 2000-246528P	20001108 (60)
US 2000-246525P	20001108 (60)
US 2000-246476P	20001108 (60)
US 2000-246526P	20001108 (60)
US 2000-249355P	20001117 (60)
US 2000-210437P	20000906 (60)
US 2000-251990P	20001208 (60)
US 2000-251988P	20001205 (60)
US 2000-251200P	20001205 (60)
US 2000-251479P	20001206 (60)
US 2000-256739P	20001205 (60)
US 2000-250160P	20001201 (60)
US 2000-251989P	20001208 (60)
US 2000-250391P	20001201 (60)
US 2000-250977P	20001211 (60)
US 2000-179065P	20000131 (60)
US 2000-180628P	20000204 (60)
US 2000-214886P	20000628 (60)
US 2000-217487P	20000711 (60)
US 2000-225758P	20000814 (60)
US 2000-220963P	20000726 (60)
US 2000-217466P	20000711 (60)

16 ANSWER 26 OF 63 USPATFULL
 ACCESSION NUMBER: 2002-294670 USPATFULL
 TITLE: Human PGP-21 gene and gene expression products
 INVENTOR(S): Itoh, Nobuyuki, Kyoto, JAPAN
 Kawanaguchi, M. Michael, Mill Valley, CA, UNITED STATES
 PATENT ASSIGNER(S): Chiron Corporation, Emeryville, CA, UNITED STATES (non-U.S. corporation)

NUMBER	KIND	DATE
US 2002164713	A1	20021107
US 2002-60765	A1	20020129 (10)

PATENT INFORMATION: US 2002164713
 APPLICATION INFO: Division of Ser. No. US 2000-715805, filed on 16 Nov 2000, PENDING

PATENT INFORMATION: US 2002164713
 APPLICATION INFO: Division of Ser. No. US 2000-715805, filed on 16 Nov 2000, PENDING

PRIORITY INFORMATION:

NUMBER	DATE
US 2000-203633P	20000511 (60)
US 1999-166540P	19991118 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: SEED INTELLECTUAL PROPERTY LAW GROUP PLLC, 701 FIFTH AVE, SUITE 6300, SEATTLE, WA, 98104-7052

NUMBER OF CLAIMS: 59
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 14 Drawing Page(s)
 LINE COUNT: 1797

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to human fibroblast growth factor (hFGF-21), and to variants thereof and to polynucleotides encoding PGP-21. The invention also relates to diagnostic and therapeutic agents related to the polynucleotides and proteins, including probes and antibodies, and to methods of treating liver disease such as cirrhosis and cancer, methods of treating conditions related to thymic function, and methods of treating conditions of the testis. The invention also relates to mouse fibroblast growth factor (mFGF-21), and to variants thereof and polynucleotides encoding mFGF-21.

IT 288640-33-5 (amino acid sequence; new member of human fibroblast growth factor family (PGP-21) identified by sequence similarity and gene encoding it and their uses)
 RN 288640-33-5 USPATFULL
 CN Fibroblast growth factor 21 (Mus musculus gene PGP-21 precursor) (9C1) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

16 ANSWER 25 OF 63 USPATFULL (Continued)
 ACCESSION NUMBER: 2000-225477P 20000814 (60)
 TITLE: Nucleic acids, proteins, and antibodies
 INVENTOR(S): Ruben, Steven M., Olney, MD, UNITED STATES
 Baran, Steven C., Rockville, MD, UNITED STATES
 Rosen, Craig A., Laytonville, MD, UNITED STATES
 Birse, Charles E., North Potomac, MD, UNITED STATES
 PATENT ASSIGNER(S): Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)

NUMBER	KIND	DATE
US 2000-225477P	20000814 (60)	
US 2000-218290P	20000714 (60)	
US 2000-225757P	20000814 (60)	
US 2000-234649P	20000925 (60)	
US 2000-216647P	20000707 (60)	
US 2000-225247P	20000814 (60)	
US 2000-216800P	20000707 (60)	
US 2000-225270P	20000814 (60)	
US 2000-251649P	20001208 (60)	
US 2000-216534P	20000921 (60)	
US 2000-234274P	20000921 (60)	

PATENT INFORMATION: US 2000-225477P
 APPLICATION INFO: Continuation-in-part of Ser. No. WO 2001-US1346, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764859, filed on 17 Jan 2001, PENDING

PATENT INFORMATION: US 2000-225477P
 APPLICATION INFO: Continuation-in-part of Ser. No. WO 2001-US1346, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764859, filed on 17 Jan 2001, PENDING

PRIORITY INFORMATION:

NUMBER	DATE
US 2000-205515P	20000519 (60)
US 2000-179065P	20000131 (60)
US 2001-180520P	20000204 (60)
US 2000-225477P	20000814 (60)
US 2000-218290P	20000714 (60)
US 2000-218800P	20000707 (60)
US 2000-234977P	20000925 (60)
US 2000-239343P	20000901 (60)
US 2000-216167P	20000939 (60)
US 2000-239377P	20001013 (60)
US 2000-249210P	20001117 (60)
US 2000-249211P	20001117 (60)
US 2000-249214P	20001117 (60)
US 2000-231243P	20000908 (60)
US 2000-246477P	20001108 (60)
US 2000-246528P	20001108 (60)
US 2000-246525P	20001108 (60)
US 2000-246476P	20001108 (60)
US 2000-246526P	20001108 (60)
US 2000-249355P	20001117 (60)
US 2000-210437P	20000906 (60)
US 2000-251990P	20001208 (60)
US 2000-251988P	20001205 (60)
US 2000-251200P	20001205 (60)
US 2000-251479P	20001206 (60)
US 2000-256739P	20001205 (60)
US 2000-250160P	20001201 (60)
US 2000-251989P	20001208 (60)
US 2000-250391P	20001201 (60)
US 2000-250977P	20001211 (60)
US 2000-179065P	20000131 (60)
US 2000-180628P	20000204 (60)
US 2000-214886P	20000628 (60)
US 2000-217487P	20000711 (60)
US 2000-225758P	20000814 (60)
US 2000-220963P	20000726 (60)
US 2000-217466P	20000711 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 24
 EXEMPLARY CLAIM: 1
 LINE COUNT: 2053

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

IT 474183-77-2P, Protein (human clone HXG272) (amino acid sequence; cloning and cDNA and deduced amino acid sequences OF 69 human proteins and their diagnostic and therapeutic uses)
 RN 474183-77-2 USPATFULL
 CN Protein (human clone HXG272) (9C1) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

16 ANSWER 28 OF 63 USPATFULL
 2003/28584 USPATFULL
 TITLE: Mammalian glycoprotein hormone-1
 INVENTOR(S): Holloway, James L., Seattle, WA, UNITED STATES
 Webster, Phillipa J., Seattle, WA, UNITED STATES
 Thayer, Edward C., Seattle, WA, UNITED STATES

NUMBER	KIND	DATE
US 2002160953	A1	20021031
US 2001-943188	A1	20020800 (9)

PATENT INFORMATION: US 2002160953
 APPLICATION INFO.: Continuation of Ser. No. US 2001-839706, filed on 20 Apr 2001, PENDING

NUMBER	DATE
US 2000-198989	20000425 (60)

PRIORITY INFORMATION: US 2000-198989
 DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: Paul G. Lunn, Esq., ZymoGenetics, Inc., 1201 Eastlake Avenue East, Seattle, WA, 98102

NUMBER OF CLAIMS: 6
 EXEMPLARY CLAIM: 1
 LINE COUNT: 4401

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB Mammalian glycoprotein hormone-1 (h1ut) polypeptides, polynucleotides encoding the polypeptides, antibodies that specifically bind to the polypeptides, expression vectors comprised of the polynucleotides, and host cells transformed with the expression vectors.

IT 474444-50-3
 (unclaimed protein sequence; novel human glycoprotein hormone-1 (h1ut), its polynucleotides and antibodies and use in treating hyperthyroidism)

RN 474444-50-3 USPATFULL
 CN 7: PN: US20020160953 SEQID: 7 unclaimed protein (SCI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

16 ANSWER 29 OF 63 USPATFULL
 2003/287561 USPATFULL
 TITLE: TIR hetero-oligomeric taste receptors
 INVENTOR(S): Adler, Jon Elliot, San Diego, CA, UNITED STATES
 Li, Xiaodong, San Diego, CA, UNITED STATES
 Skaszewski, Lena, San Diego, CA, UNITED STATES
 Xu, Hong, San Diego, CA, UNITED STATES
 Echeverri, Fernando, Chula Vista, CA, UNITED STATES

NUMBER	KIND	DATE
US 2002160424	A1	20021031
US 2001-697427	A1	20020703 (9)

PATENT INFORMATION: US 2002160424
 APPLICATION INFO.: US 2001-697427

NUMBER	DATE
US 2001-280606P	20010330 (60)

PRIORITY INFORMATION: US 2001-280606P
 DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: PILLSBURY WINTHROP, LLP, P.O. BOX 10500, MCLEAN, VA, 22102

NUMBER OF CLAIMS: 39
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 6 Drawing Page(s)
 LINE COUNT: 3201

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB Newly identified mammalian taste-cell-specific G protein-coupled receptors which function as hetero-oligomeric complexes in the sweet taste transduction pathway, and the genes and cDNA encoding said receptors are described. Specifically, TIR G protein-coupled receptors active in sweet taste signaling as hetero-oligomeric complexes, and the genes and cDNA encoding the same, are described, along with methods for isolating such genes and for isolating and expressing such receptors. Methods for identifying putative taste modulating compounds using such hetero-oligomeric complexes also described, as is a novel surface expression facilitating peptide useful for targeting integral plasma membrane proteins to the surface of a cell.

IT 474439-44-4P, Sweet Taste Receptor TIR3 (human)
 (amino acid sequence; nucleic acid and polypeptide sequences for human TIR sweet taste receptor and their uses)

RN 474439-44-6 USPATFULL
 CN Sweet taste receptor TIR3 (human) (SCI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

16 ANSWER 30 OF 63 USPATFULL
 2002/259379 USPATFULL
 TITLE: Isolated human G-protein coupled receptors, nucleic acid molecules encoding human GPCR proteins, and uses thereof
 INVENTOR(S): Webster, Marion, San Francisco, CA, UNITED STATES
 Beasley, Ellen M., Germantown, MD, UNITED STATES
 Retchun, Saren A., Germantown, MD, UNITED STATES
 Di Francesco, Valentina, Rockville, MD, UNITED STATES

NUMBER	KIND	DATE
US 2002142951	A1	20021003
US 2001-818264	A1	20010338 (9)

PATENT INFORMATION: US 2002142951
 APPLICATION INFO.: US 2001-818264
 DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: CELERA GENOMICS CORPORATION, 45 West Gude Dr. C2-4820, Rockville, MD, 20850

NUMBER OF CLAIMS: 23
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 29 Drawing Page(s)
 LINE COUNT: 3926

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention provides amino acid sequences of peptides that are encoded by genes within the human genome, the GPCR peptides of the present invention. The present invention specifically provides isolated peptide and nucleic acid molecules, methods of identifying orthologs and paralog of the GPCR peptides and methods of identifying modulators of the GPCR peptides.

IT 467261-81-0
 (unclaimed protein sequence; protein, gene and cDNA sequences of a novel human G protein-coupled receptor related to secretin receptor and their uses in drug screening)

RN 467261-81-0 USPATFULL
 CN 4: PN: US20020142951 SEQID: 4 unclaimed protein (SCI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

16 ANSWER 31 OF 63 USPATFULL
 2002/258806 USPATFULL
 TITLE: Isolated human transporter proteins, nucleic acid molecules encoding human transporter proteins, and uses thereof
 INVENTOR(S): Merkulov, Genady, Baltimore, MD, UNITED STATES
 Guegler, Karl, Penlo Park, CA, UNITED STATES
 Brandon, Rhonda C., Laytonville, MD, UNITED STATES
 Di Francesco, Valentina, Rockville, MD, UNITED STATES
 Beasley, Ellen M., Germantown, MD, UNITED STATES

NUMBER	KIND	DATE
US 2002142376	A1	20021003
US 2001-748781	A1	20010125 (9)

PATENT INFORMATION: US 2002142376
 APPLICATION INFO.: US 2001-748781
 RELATED APPL. INFO.: Continuation-in-part of Ser. No. US 2000-740034, filed on 20 Dec 2000, ABANDONED

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: CELERA GENOMICS CORP., ATTN: WAYNE MONTGOMERY, VICE PRES, INTEL PROPERTY, 45 WEST GUDE DRIVE, C2-4820, ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 23
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 14 Drawing Page(s)
 LINE COUNT: 3248

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention provides amino acid sequences of peptides that are encoded by genes within the human genome, the transporter peptides of the present invention. The present invention specifically provides isolated peptide and nucleic acid molecules, methods of identifying orthologs and paralog of the transporter peptides, and methods of identifying modulators of the transporter peptides.

IT 465561-98-2P, Transport protein XK (human)
 (amino acid sequence; protein, gene and cDNA sequences of novel human transport protein XK and their uses in drug screening)

RN 465561-98-2 USPATFULL
 CN Transport protein XK (human) (SCI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

IT 465569-31-3 465569-34-4
 (unclaimed protein sequence; protein, gene and cDNA sequences of a novel human transport protein related to XK protein and their uses in drug screening)

RN 465569-31-5 USPATFULL
 CN 5: PN: US20020142376 SEQID: 4 unclaimed protein (SCI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

RN 465569-24-8 USPATFULL
 CN 8: PN: US20020142376 SEQID: 7 unclaimed protein (SCI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

16 ANSWER 12 OF 63 USPATFULL
ACCESSION NUMBER: 2003:252894 USPATFULL
TITLE: Transacylases of the paclitaxel biosynthetic pathway
INVENTOR(S): Croteau, Rodney B., Pullman, WA, UNITED STATES
Walker, Kevin D., Pullman, WA, UNITED STATES
Schoendorf, Anne H.M.N., Pullman, WA, UNITED STATES
Wildung, Mark R., Colfax, WA, UNITED STATES

<C

09/866,512 Page 16

=>

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

827.15

854.26

FILE 'REGISTRY' ENTERED AT 14:00:34 ON 27 MAY 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

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STRUCTURE FILE UPDATES: 26 MAY 2003 HIGHEST RN 520505-31-1

DICTIONARY FILE UPDATES: 26 MAY 2003 HIGHEST RN 520505-31-1

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> s pmalwmr/sqefp

1 PMALWMR/SQEFPP

40247 SQL=7

L7

1 PMALWMR/SQEFPP

(PMALWMR/SQEFPP AND SQL=7)

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

7.10

861.36

FILE 'REGISTRY' ENTERED AT 14:01:44 ON 27 MAY 2003

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 26 MAY 2003 HIGHEST RN 520505-31-1

DICTIONARY FILE UPDATES: 26 MAY 2003 HIGHEST RN 520505-31-1

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> s 17

1 PMALWMR/SQEFP
40247 SQL=7

L8 1 PMALWMR/SQEFP
(PMALWMR/SQEFP AND SQL=7)

=> d ibib ab

'IBIB' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'
'AB' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN
SAM - Index Name, MF, and structure - no RN
FIDE - All substance data, except sequence data
IDE - FIDE, but only 50 names
SQIDE - IDE, plus sequence data
SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used
SQD - Protein sequence data, includes RN
SQD3 - Same as SQD, but 3-letter amino acid codes are used
SQN - Protein sequence name information, includes RN

CALC - Table of calculated properties
EPROP - Table of experimental properties
PROP - EPROP and CALC

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract
APPS -- Application and Priority Information
BIB -- CA Accession Number, plus Bibliographic Data
CAN -- CA Accession Number
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
IND -- Index Data
IPC -- International Patent Classification
PATS -- PI, SO
STD -- BIB, IPC, and NCL

IABS --ABS, indented, with text labels
IBIB -- BIB, indented, with text labels
ISTD -- STD format, indented

OBIB ----- AN, plus Bibliographic Data (original)
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.
HELP FORMATS -- To see detailed descriptions of the predefined formats.
ENTER DISPLAY FORMAT (IDE):end

=> fil .search

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	6.70	868.06

FILE 'MEDLINE' ENTERED AT 14:02:10 ON 27 MAY 2003

FILE 'CAPLUS' ENTERED AT 14:02:10 ON 27 MAY 2003
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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'BIOSIS' ENTERED AT 14:02:10 ON 27 MAY 2003
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FILE 'USPATFULL' ENTERED AT 14:02:10 ON 27 MAY 2003
CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'EMBASE' ENTERED AT 14:02:10 ON 27 MAY 2003
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=> d his

(FILE 'HOME' ENTERED AT 13:57:03 ON 27 MAY 2003)

L1 FILE 'REGISTRY' ENTERED AT 13:57:08 ON 27 MAY 2003
8919 S PMALWMR/SQSFP

FILE 'MEDLINE, CAPLUS, BIOSIS, USPATFULL, EMBASE' ENTERED AT 13:57:30 ON 27 MAY 2003

L2 3354 S L1
L3 624 S L2 AND (CHELAT? OR LIGAND?)
L4 485 S L3 AND (POLYMER?)
L5 63 S L4 AND (MRI OR MAGNETIC(W) RESONANCE? OR NUCLEAR(W) MAGNETIC?
L6 63 DUP REM L5 (0 DUPLICATES REMOVED)

L7 FILE 'REGISTRY' ENTERED AT 14:00:34 ON 27 MAY 2003
1 S PMALWMR/SQFP

L8 FILE 'REGISTRY' ENTERED AT 14:01:44 ON 27 MAY 2003
1 S L7

FILE 'MEDLINE, CAPLUS, BIOSIS, USPATFULL, EMBASE' ENTERED AT 14:02:10 ON 27 MAY 2003

<C

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=> s 18

L9 2 L8

=> s 17

L10 2 L7

=> d ibib ab 1-

YOU HAVE REQUESTED DATA FROM 2 ANSWERS - CONTINUE? Y/(N):Y

<C

09/866,512 Page 21

=> s l6 not l10
L11 62 L6 NOT L10

=> dup rem l11
PROCESSING COMPLETED FOR L11
L12 62 DUP REM L11 (0 DUPLICATES REMOVED)

=> d ibib ab 1-
YOU HAVE REQUESTED DATA FROM 62 ANSWERS - CONTINUE? Y/(N):y

112 ANSWER 1 OF 62 USPATFULL
 ACCESSION NUMBER: 2003:1137444 USPATFULL
 TITLE: Human olfactory receptors and genes encoding same
 INVENTOR(S): Zosulya, Sergey, San Diego, CA, UNITED STATES

NUMBER	KIND	DATE
US 2003088059	A1	20030508 ¹
US 2001-804291	A1	20010313 (9)

PATENT INFORMATION: US 2003088059
 APPLICATION INFO.: US 2001-804291 A1 20010313 (9)

NUMBER	DATE
US 2000-188914P	20000313 (60)
US 2000-192033P	20000324 (60)
US 2000-198474P	20000414 (60)
US 2000-199335P	20000424 (60)
US 2000-207702P	20000526 (60)
US 2000-213849P	20000623 (60)
US 2000-226514P	20000816 (60)
US 2000-230732P	20000907 (60)
US 2001-266862P	20010207 (60)

PRIORITY INFORMATION: US 2000-188914P 20000313 (60)
 US 2000-192033P 20000324 (60)
 US 2000-198474P 20000414 (60)
 US 2000-199335P 20000424 (60)
 US 2000-207702P 20000526 (60)
 US 2000-213849P 20000623 (60)
 US 2000-226514P 20000816 (60)
 US 2000-230732P 20000907 (60)
 US 2001-266862P 20010207 (60)

DOCUMENT TYPE: Utility
 FILE SEQUENCE: APPLICATION
 LEGAL REPRESENTATIVE: Pillsbury Winthrop LLP, Intellectual Property Group, East Tower, Ninth Floor, 1100 New York Avenue, N.W., Washington, DC 20005-3918

NUMBER OF CLAIMS: 124
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 22 Drawing Page(s)
 LINE COUNT: 12769

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB Newly identified olfactory G protein-coupled receptors (ORs), and the genes and cDNA encoding said receptors are described. Specifically, G protein-coupled receptors active in olfactory signaling, and the genes and cDNA encoding the same, are described, along with methods for isolating such genes and for isolating and expressing such receptors. Methods for representing olfactory perception of a particular odorant

in a mammal are also described, as are methods for generating novel molecules or combinations of molecules that elicit a predetermined odor perception in a mammal, and methods for simulating one or more odors. Further, methods for stimulating or blocking odor perception in a mammal are also disclosed.

113 ANSWER 3 OF 62 USPATFULL
 ACCESSION NUMBER: 2003:112894 USPATFULL
 TITLE: 20685, 579, 17114, 23821, 32894 and 32613, novel human transporters
 INVENTOR(S): Glucksmann, Marie Alexandra, Lexington, MA, UNITED STATES
 Siles Santiago, Inmaculada, Jamaica Plain, MA, UNITED STATES
 PATENT ASSIGNOR(S): Millennium Pharmaceuticals, Inc. (U.S. corporation)

NUMBER	KIND	DATE
US 2003077626	A1	20030424
US 2002-199485	A1	20020718 (10)

PATENT INFORMATION: US 2003077626 A1 20030424
 APPLICATION INFO.: US 2002-199485 A1 20020718 (10)
 RELATED APPL. INFO.: Continuation-in-part of Ser. No. US 2001-795693, filed on 28 Feb 2001, PENDING

NUMBER	DATE
US 2000-185906P	20000229 (60)

PRIORITY INFORMATION: US 2000-185906P 20000229 (60)
 DOCUMENT TYPE: Utility
 FILE SEQUENCE: APPLICATION
 LEGAL REPRESENTATIVE: ALSTON & BIRD LLP, BANK OF AMERICA PLAZA, 101 SOUTH TRYON STREET, SUITE 4000, CHARLOTTE, NC, 28280-4000

NUMBER OF CLAIMS: 27
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 79 Drawing Page(s)
 LINE COUNT: 8163

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention relates to newly identified human transporters.

in particular, the invention relates to transporter polypeptides and polynucleotides, methods of detecting the transporter polypeptides and polynucleotides, and methods of diagnosing and treating transporter-related disorders. Also provided are vectors, host cells, and recombinant methods for making and using the novel molecules.

112 ANSWER 2 OF 62 USPATFULL
 ACCESSION NUMBER: 2003:113644 USPATFULL
 TITLE: 47 human secreted proteins
 INVENTOR(S): Ruben, Steven M., Olney, MD, UNITED STATES
 Khner, Reinhard, Gaithersburg, MD, UNITED STATES
 Rosen, Craig A., Laytonville, MD, UNITED STATES
 Endress, Gregory A., Silver Spring, MD, UNITED STATES
 Soppet, Daniel R., Centerville, VA, UNITED STATES
 Ni, Jian, Rockville, MD, UNITED STATES
 Duan, Roxanne D., Bethesda, MD, UNITED STATES
 Moore, Paul A., Germantown, MD, UNITED STATES
 Shi, Yanguo, Gaithersburg, MD, UNITED STATES
 LaPlante, David M., Washington, DC, UNITED STATES
 Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
 Florence, Kimberly A., Rockville, MD, UNITED STATES

NUMBER	KIND	DATE
US 2003078405	A1	20030424
US 2001-895298	A1	20010702 (9)

PATENT INFORMATION: US 2003078405 A1 20030424
 APPLICATION INFO.: US 2001-895298 A1 20010702 (9)
 RELATED APPL. INFO.: Continuation of Ser. No. US 2000-591316, filed on 9 Jun 2000, PENDING Continuation-in-part of Ser. No. WO 1999-US29950, filed on 16 Dec 1999, UNKNOWN

NUMBER	DATE
US 1998-113066P	19981218 (60)
US 1998-112809P	19981217 (60)

PRIORITY INFORMATION: US 1998-113066P 19981218 (60)
 US 1998-112809P 19981217 (60)

DOCUMENT TYPE: Utility
 FILE SEQUENCE: APPLICATION
 LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 23
 EXEMPLARY CLAIM: 1
 LINE COUNT: 18444

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to these novel human secreted proteins.

113 ANSWER 4 OF 62 USPATFULL
 ACCESSION NUMBER: 2003:112858 USPATFULL
 TITLE: Methods for diagnosis and treatment of diseases associated with altered expression of neurogranin
 INVENTOR(S): Pedersen, Finn Skov, Aarhus V, DENMARK
 Soerensen, Annette Balle, Aarhus N, DENMARK
 Nielsen, Anne Ahlmann, Aarhus N, DENMARK

NUMBER	KIND	DATE
US 2003077590	A1	20030424
US 2001-962916	A1	20010924 (9)

PATENT INFORMATION: US 2003077590 A1 20030424
 APPLICATION INFO.: US 2001-962916 A1 20010924 (9)
 RELATED APPL. INFO.: Continuation of Ser. No. US 2000-668644, filed on 22 Sep 2000, PENDING

DOCUMENT TYPE: Utility
 FILE SEQUENCE: APPLICATION
 LEGAL REPRESENTATIVE: Gladys H. Monroy, Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto, CA, 94304-1018

NUMBER OF CLAIMS: 19
 EXEMPLARY CLAIM: 1
 LINE COUNT: 2448

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention relates to novel compositions and methods related to Neurogranin for use in diagnosis and treatment of lymphoma and leukemia. In addition, the present invention describes the use of such novel compositions for use in screening methods.

L12 ANSWER 6 OF 62 USPTAFULL (Continued)

WO 2000-055004 20000224
 WO 2000-055841 20000302
 WO 2000-057377 20000320
 WO 2000-058439 20000330
 WO 2000-05814042 20000522
 WO 2000-05815544 20000602
 WO 2000-05820716 20000728
 WO 2000-05823228 20000824
 US 1997-591159 19970917 (60)
 US 1997-591149 19970917 (60)
 US 1997-591222 19970917 (60)
 US 1997-591176 19970917 (60)
 US 1997-591139 19970917 (60)
 US 1997-591212 19970917 (60)
 US 1997-591199 19970917 (60)
 US 1997-592613 19970917 (60)
 US 1997-592669 19970918 (60)
 US 1997-621259 19971015 (60)
 US 1997-622879 19971017 (60)
 US 1997-622859 19971017 (60)
 US 1997-624869 19971021 (60)
 US 1997-626169 19971024 (60)
 US 1997-628149 19971024 (60)
 US 1997-631279 19971024 (60)
 US 1997-631109 19971024 (60)
 US 1997-631219 19971024 (60)
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 US 1997-635419 19971028 (60)
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 US 1997-635429 19971028 (60)
 US 1997-635449 19971028 (60)
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 US 1997-637149 19971029 (60)
 US 1997-637389 19971029 (60)
 US 1997-637049 19971029 (60)
 US 1997-634359 19971029 (60)
 US 1997-642159 19971029 (60)
 US 1997-637359 19971029 (60)
 US 1997-637329 19971029 (60)
 US 1997-641039 19971031 (60)
 US 1997-638709 19971031 (60)
 US 1997-642489 19971031 (60)
 US 1997-648099 19971107 (60)
 US 1997-651869 19971112 (60)
 US 1997-658469 19971117 (60)
 US 1997-656939 19971118 (60)
 US 1997-661209 19971121 (60)
 US 1997-663449 19971121 (60)
 US 1997-667729 19971124 (60)
 US 1997-664469 19971124 (60)
 US 1997-667709 19971124 (60)
 US 1997-665119 19971124 (60)

L12 ANSWER 6 OF 62 USPTAFULL (Continued)

US 1997-664539 19971124 (60)
 US 1997-668409 19971125 (60)
 US 1997-694259 19971212 (60)
 US 1998-880269 19980604 (60)
 US 1998-998039 19980910 (60)
 US 1998-1002629 19980914 (60)
 US 1998-1008589 19980917 (60)
 US 1998-1040809 19981011 (60)
 US 1998-1052049 19981220 (60)
 US 1998-1132969 19981222 (60)
 US 1999-1430489 19990707 (60)
 US 1999-1456989 19990728 (60)
 US 1999-1462229 19990728 (60)

DOCUMENT TYPE: Utility
 FILE SECTOR: APPLICATION
 LEGAL REPRESENTATIVE: ROOBIE, MARTENS, OLSON & BEAR, LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614
 NUMBER OF CLAIMS: 1
 EXEMPLARY CLAIM: 18
 NUMBER OF DRAWINGS: 124 Drawing Page(s)
 LINE COUNT: 21285
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

L12 ANSWER 7 OF 62 USPTAFULL

ACCESSION NUMBER: 2003-93562 USPTAFULL
 TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same
 INVENTOR(S): Aabkenas, Avi, San Mateo, CA, UNITED STATES
 Bolstein, David, Belmont, CA, UNITED STATES
 Desnoyers, Luc, San Francisco, CA, UNITED STATES
 Eaton, Dan L., San Rafael, CA, UNITED STATES
 Ferrara, Napoleone, San Francisco, CA, UNITED STATES
 Filversoff, Allen, San Francisco, CA, UNITED STATES
 Fong, Sherman, Alameda, CA, UNITED STATES
 Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
 Gerber, Hanspeter, San Francisco, CA, UNITED STATES
 Gerritsen, Mary M., San Mateo, CA, UNITED STATES
 Goddard, Audrey, San Francisco, CA, UNITED STATES
 Godowski, Paul J., Burlingame, CA, UNITED STATES
 Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES
 Gurney, Austin L., Belmont, CA, UNITED STATES
 Hillan, Kenneth J., San Francisco, CA, UNITED STATES
 Kijavini, Ivar J., Lafayette, CA, UNITED STATES
 McIver, Jennie P., Milbrae, CA, UNITED STATES
 Pan, James, Belmont, CA, UNITED STATES
 Paoni, Nicholas P., Belmont, CA, UNITED STATES
 Roy, Margaret Ann, San Francisco, CA, UNITED STATES
 Steward, Timothy A., San Francisco, CA, UNITED STATES
 Turas, Daniel, Orinda, CA, UNITED STATES
 Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
 Wood, William L., Hillsborough, CA, UNITED STATES
 Genentech, Inc. (U.S. corporation)

PATENT ASSIGNEE(S):

NUMBER KIND DATE
 PATENT INFORMATION: US 2003064923 A1 20030403
 APPLICATION INFO: US 2001-905348 A1 20010713 (9)
 RELATED APPL. INFO.: Continuation of Ser. No. US 2000-665350, filed on 18 Sep 2000, PENDING

PRIORITY INFORMATION:

NUMBER DATE
 WO 1998-051824 19980930
 WO 1998-051977 19980934
 WO 1998-051930 19980936
 WO 1998-051943 19980937
 WO 1998-052510 19981201
 WO 1999-052094 19990908
 WO 1999-052094 19990933
 WO 1999-052109 19990935
 WO 1999-052167 19990935
 WO 1999-052109 19991005
 WO 1999-052821 19991129
 WO 1999-052831 19991130
 WO 1999-052831 19991201
 WO 1999-052854 19991202
 WO 1999-052855 19991202
 WO 1999-053095 19991216
 WO 1999-053099 19991220
 WO 1999-053091 19991220
 WO 2000-05219 20000105
 WO 2000-05365 20000211
 WO 2000-054414 20000222

L12 ANSWER 7 OF 62 USPTAFULL (Continued)

WO 2000-055004 20000224
 WO 2000-055841 20000302
 WO 2000-057377 20000320
 WO 2000-058439 20000330
 WO 2000-05814042 20000522
 WO 2000-05815544 20000602
 WO 2000-05820716 20000728
 WO 2000-05823228 20000824
 US 1997-591159 19970917 (60)
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 US 1997-658469 19971117 (60)
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 US 1997-667729 19971124 (60)
 US 1997-664469 19971124 (60)
 US 1997-667709 19971124 (60)
 US 1997-665119 19971124 (60)

L12 ANSWER 7 OF 62 USPATFULL (Continued)

US 1998-99603P 19980910 (60)
 US 1998-100262P 19980914 (60)
 US 1998-100858P 19980917 (60)
 US 1998-104800P 19981013 (60)
 US 1998-109304P 19981120 (60)
 US 1998-112296P 19981222 (60)
 US 1999-143048P 19990707 (60)
 US 1999-145698P 19990726 (60)
 US 1999-146222P 19990728 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: FROESHE, MARTENS, OLSON & BEAR, LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614

NUMBER OF CLAIMS: 38
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 124 Drawing Page(s)
 LINE COUNT: 21892
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

L12 ANSWER 8 OF 62 USPATFULL

2003:79303 USPATFULL
 ACCESSION NUMBER: 12 human secreted proteins
 TITLE: Ni, Jian, Germantown, MD, UNITED STATES
 INVENTOR(S): Young, Paul E., Gaitherburg, MD, UNITED STATES
 Kenny, Joseph J., Danecus, MD, UNITED STATES
 Glenn, Henrik S., Gaitherburg, MD, UNITED STATES
 Moore, Paul A., Germantown, MD, UNITED STATES
 Wei, Ying-Pei, Berkeley, CA, UNITED STATES
 Greene, John M., Gaitherburg, MD, UNITED STATES
 Ruben, Steven M., Oley, MD, UNITED STATES
 Liu, Ding, Gaitherburg, MD, UNITED STATES
 Crocker, Paul R., Dundee, UNITED KINGDOM

NUMBER	KIND	DATE
US 2003055231	A1	20030320
US 2001-984130	A1	20011029 (9)

PATENT INFORMATION: US 2003055231
 APPLICATION INFO.: Continuation-in-part of Ser. No. US 2001-834953, filed on 18 Apr 2001, PENDING Continuation-in-part of Ser. No. WO 1999-US25031, filed on 27 Oct 1999, UNKNOWN

NUMBER	DATE
US 2000-243792P	20001030 (60)
US 2000-198407P	20000919 (60)
US 1998-105971P	19981028 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KRY WEST AVENUE, ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 23
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 67 Drawing Page(s)
 LINE COUNT: 31982
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention relates to 12 novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins.

L12 ANSWER 9 OF 62 USPATFULL

2002:78528 USPATFULL
 ACCESSION NUMBER: T1R taste receptors and genes encoding same
 TITLE: Adler, Jon Elliot, San Diego, CA, UNITED STATES
 INVENTOR(S): Li, Xiaodong, San Diego, CA, UNITED STATES
 Staszewski, Lena, San Diego, CA, UNITED STATES
 O'Connell, Shawn, Encinitas, CA, UNITED STATES
 Zozulya, Sergey, San Diego, CA, UNITED STATES
 Senomyx, Inc., La Jolla, CA (U.S. corporation)

PATENT ASSIGNMENT(S):

NUMBER	KIND	DATE
US 2002054448	A1	20020320
US 2002-35045	A1	20020103 (10)

PATENT INFORMATION: US 2002054448
 APPLICATION INFO.: US 2002-35045

NUMBER	DATE
US 2001-259227P	20010103 (60)
US 2001-254547P	20010419 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: PILLSBURY WINTHROP, LLP, P.O. BOX 10500, MCLEAN, VA, 22102

NUMBER OF CLAIMS: 234
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 5 Drawing Page(s)
 LINE COUNT: 4429
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB Newly identified mammalian taste-cell-specific G protein-coupled receptors, and the genes and cDNA encoding said receptors are described. Specifically, T1R G protein-coupled receptors active in taste signaling, and the genes and cDNA encoding the same, are described, along with methods for isolating such genes and for isolating and expressing such receptors. Methods for representing taste perception of a particular taste stimulus in a mammal are also described, as are methods for generating novel molecules or combinations of molecules that elicit a predetermined taste perception in a mammal, and methods for simulating one or more tastes. Further, methods for stimulating or blocking taste perception in a mammal are also disclosed.

L12 ANSWER 10 OF 62 USPATFULL

2003:72169 USPATFULL
 ACCESSION NUMBER: Novel G protein-coupled receptors
 TITLE: Vogeli, Gabriel, Seattle, WA, UNITED STATES
 INVENTOR(S): Wood, Linda S., Portage, MI, UNITED STATES
 Lind, Peter, Uppsala, SWEDEN

NUMBER	KIND	DATE
US 2003050456	A1	20030813
US 2001-791279	A1	20010228 (9)

PATENT INFORMATION: US 2003050456
 APPLICATION INFO.: US 2001-791279

NUMBER	DATE
US 2000-184715P	20000224 (60)
US 2000-184725P	20000224 (60)
US 2000-184713P	20000224 (60)
US 2000-184606P	20000224 (60)
US 2000-184602P	20000224 (60)
US 2000-184604P	20000224 (60)
US 2000-184822P	20000224 (60)
US 2000-184710P	20000224 (60)
US 2000-184609P	20000224 (60)
US 2000-184716P	20000224 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: WOODCOCK WASHBURN KURTZ MACKINICH & MORRIS LLP, ATTENTION: SUSANNE E. MILLER STD., ONE LIBERTY PLACE, 46TH FLOOR, PHILADELPHIA, PA, 19103

NUMBER OF CLAIMS: 81
 EXEMPLARY CLAIM: 1
 LINE COUNT: 10474
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention provides a gene encoding a G protein-coupled receptor termed nGPCR-x; constructs and recombinant host cells incorporating the gene; the nGPCR-x polypeptides encoded by the gene; antibodies to the nGPCR-x polypeptides; and methods of making and using all of the foregoing.

112 ANSWER 11 OF 62 USPATFULL
 ACCESSION NUMBER: 2003:71439 USPATFULL
 TITLE: 52906, 33408, and 12189, novel potassium channel family
 INVENTOR(S): members and uses thereof
 Curtis, Rory A.J., Southborough, MA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003049794	A1	20030313
APPLICATION INFO.:	US 2001-875321	A1	20010606 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-209845P	20000606 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	LOUIS MYERS, Fish & Richardson P.C., 225 Franklin Street, Boston, MA, 02110-2804	

NUMBER OF CLAIMS: 11
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 9 Drawing Page(s)
 LINE COUNT: 5703
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides isolated nucleic acid molecules, designated 52906, 33408, or 12189 nucleic acid molecules, which encode novel potassium channel members. The invention also provides antisense nucleic acid molecules, recombinant expression vectors containing 52906, 33408, or 12189 nucleic acid molecules, host cells into which the expression vectors have been introduced, and nonhuman transgenic animals in which 52906, 33408, or 12189 gene has been introduced or disrupted. The invention still further provides isolated 52906, 33408, or 12189 proteins, fusion proteins, antigenic peptides and anti-52906, 33408, or 12189 antibodies. Diagnostic methods utilizing compositions of the invention are also provided.

112 ANSWER 12 OF 62 USPATFULL
 ACCESSION NUMBER: 2003:64682 USPATFULL
 TITLE: Methods for diagnosis and treatment of diseases associated with altered expression of JAK1
 INVENTOR(S): Pedersen, Finn Skou, Aarhus V, DENMARK
 Soerensen, Annette Ballo, Aarhus N, DENMARK
 Martin, Javier Hernandez, Aarhus N, DENMARK

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003044603	A1	20030306
APPLICATION INFO.:	US 2001-962854	A1	20010924 (9)
RELATED APPL. INFO.:	Continuation-in-part of Ser. No. US 2000-668644, filed on 22 Sep 2000, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-244783P	20001101 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Robin M. Silva, Esq., FLEHR HOENBACH TEST ALBRITTON & HERBERT LLP, Suite 3400, Four Embarcadero Center, San Francisco, CA, 94111-4187	

NUMBER OF CLAIMS: 19
 EXEMPLARY CLAIM: 1
 LINE COUNT: 2659
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel compositions and methods related to JAK1 for use in diagnosis and treatment of lymphoma and leukemia. In addition, the present invention describes the use of such novel compositions for use in screening methods.

112 ANSWER 13 OF 62 USPATFULL
 ACCESSION NUMBER: 2003:64675 USPATFULL
 TITLE: Reactions on dendrimers
 INVENTOR(S): Neil, Bruce P., Madison, WI, UNITED STATES
 Hall, Jeff G., Madison, WI, UNITED STATES
 Lyamichev, Victor, Madison, WI, UNITED STATES
 Smith, Lloyd M., Madison, WI, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003044796	A1	20030306
APPLICATION INFO.:	US 2001-940244	A1	20010527 (9)
RELATED APPL. INFO.:	Continuation-in-part of Ser. No. US 2000-732622, filed on 6 Dec 2000, PENDING Continuation-in-part of Ser.		

No. US 1999-350309, filed on 9 Jul 1999, GRANTED, Pat. No. US 6348314 Division of Ser. No. US 1996-756286, filed on 26 Nov 1996, GRANTED, Pat. No. US 5985557 Division of Ser. No. US 2000-281212, filed on 8 Feb 2000, PENDING A 371 of International Ser. No. WO 1998-000000, filed on 24 Mar 1998, UNKNOWN

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-244783P	20001101 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	David A. Casimir, MEDLEY & CARROLL, LLP, Suite 350, 101 Howard Street, San Francisco, CA, 94104	

NUMBER OF CLAIMS: 38
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 210 Drawing Page(s)
 LINE COUNT: 15726
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to compositions and methods for the detection and characterization of nucleic acid sequences and variations in nucleic acid sequences. The present invention relates to methods for forming a nucleic acid cleavage structure on dendrimers and cleaving the nucleic acid cleavage structure in a site-specific manner. For example, in some embodiments, a 5' nuclease activity from any of a variety of enzymes is used to cleave the target-dependent cleavage structure, thereby indicating the presence of specific nucleic acid sequences or specific variations thereof.

112 ANSWER 14 OF 62 USPATFULL
 ACCESSION NUMBER: 2003:57419 USPATFULL
 TITLE: Compositions and methods relating to prostate specific genes and proteins
 INVENTOR(S): Sun, Yongming, San Jose, CA, UNITED STATES
 Recipon, Herve E., San Francisco, CA, UNITED STATES
 Chen, Sei-Yu, Foster City, CA, UNITED STATES
 Liu, Chenghua, San Jose, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003039983	A1	20030227
APPLICATION INFO.:	US 2001-256	A1	20011101 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-244783P	20001101 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	LICHTLA & TYRELL P.C., 66 E. MAIN STREET, MARLTON, NJ,	

NUMBER OF CLAIMS: 17
 EXEMPLARY CLAIM: 1
 LINE COUNT: 9367
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to newly identified nucleic acids and polypeptides present in normal and neoplastic prostate cells, including fragments, variants and derivatives of the nucleic acids and polypeptides. The present invention also relates to antibodies to the polypeptides of the invention, as well as agonists and antagonists of the polypeptides of the invention. The invention also relates to compositions comprising the nucleic acids, polypeptides, antibodies, variants, derivatives, agonists and antagonists of the invention and methods for the use of these compositions. These uses include identifying, diagnosing, monitoring, staging, imaging and treating prostate cancer and non-cancerous disease states in prostate tissue, identifying prostate tissue, monitoring and identifying and/or designing agonists and antagonists of polypeptides of the invention. The uses also include gene therapy, production of transgenic animals and cells, and production of engineered prostate tissue for treatment and research.

112 ANSWER 15 OF 62 USPATFULL
 ACCESSION NUMBER: 2003/51132 USPATFULL
 TITLE: Isolated human G-protein coupled receptors, nucleic acid molecules encoding human GPCR proteins, and uses thereof
 INVENTOR(S): Wei, Ming-Hui, Germantown, MD, UNITED STATES
 Zhong, Wenyan, Gaithersburg, MD, UNITED STATES
 Keschun, Karen A., Germantown, MD, UNITED STATES
 Di Francesco, Valentina, Rockville, MD, UNITED STATES
 Reaseley, Ellen M., Germantown, MD, UNITED STATES
 APPLERA CORPORATION, Norwalk, CT, UNITED STATES
 (non-U.S. corporation)
 PATENT ASSIGNER(S):

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003036089	A1	20030220
APPLICATION INFO.:	US 2002-261492	A1	20031003 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2000-684393, filed on 10 Oct 2000, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-172600P	19991220 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	CELSA GENOMICS CORP., ATTN: WAYNE MONTGOMERY, VICE PRES, INTEL PROPERTY, 45 WEST GUDE DRIVE, C2-4#20, ROCKVILLE, MD, 20850	

NUMBER OF CLAIMS: 23
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 10 Drawing Page(s)
 LINE COUNT: 3111
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention provides amino acid sequences of peptides that are

encoded by genes within the Human genome, the GPCR peptides of the present invention. The present invention specifically provides isolated peptide and nucleic acid molecules, methods of identifying orthologs and paralog of the GPCR peptides and methods of identifying modulators of the GPCR peptides.

112 ANSWER 16 OF 62 USPATFULL
 ACCESSION NUMBER: 2003/51117 USPATFULL
 TITLE: Novel nucleic acid sequences encoding human transporters, a human aldolase molecule, a human ubiquitin hydrolase-like molecule, a human ubiquitin conjugating enzyme-like molecule, and uses thereof
 INVENTOR(S): Gluchsmann, Maria Alexandra, Lexington, MA, UNITED STATES
 Kapeller-Libermann, Rosanna, Chestnut Hill, MA, UNITED STATES
 PATENT ASSIGNER(S): Millennium Pharmaceuticals, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003036074	A1	20030220
APPLICATION INFO.:	US 2002-156219	A1	20020524 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2001-795693, filed on 28 Feb 2001, PENDING Continuation-in-part of Ser. No. US 2001-808557, filed on 15 Mar 2001, PENDING Continuation-in-part of Ser. No. US 2001-805566, filed on 14 Mar 2001, PENDING Continuation-in-part of Ser. No. US 2001-808767, filed on 15 Mar 2001, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-185966P	20000229 (60)
	US 2000-192018P	20000324 (60)
	US 2000-191780P	20000324 (60)
	US 2000-191781P	20000324 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Intellectual Property Group, MILLENNIUM PHARMACEUTICALS, INC., 75 Sidney Street, Cambridge, MA,	

NUMBER OF CLAIMS: 22
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 106 Drawing Page(s)
 LINE COUNT: 19564
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The invention provides isolated nucleic acid molecules that encode novel polypeptides. The invention also provides antisense nucleic acid molecules, recombinant expression vectors containing the nucleic acid molecules of the invention, host cells into which the expression vectors have been introduced, and nonhuman transgenic animals in which a sequence of the invention has been introduced or disrupted. The invention still further provides isolated proteins, fusion proteins, antigenic peptides and antibodies. Diagnostic methods utilizing compositions of the invention are also provided.

112 ANSWER 17 OF 62 USPATFULL
 ACCESSION NUMBER: 2003/32038 USPATFULL
 TITLE: Novel G protein-coupled receptors
 INVENTOR(S): Vogel, Gabriel, Seattle, WA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003023992	A1	20030130
APPLICATION INFO.:	US 2001-862540	A1	20010522 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-206138P	20000522 (60)
	US 2000-206139P	20000522 (60)
	US 2000-208976P	20000602 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	WOODCOCK WASHBURN KURTZ MACKIEWICZ & NORRIS LLP, ATTENTION: SUZANNE E. MILLER ESQ., ONE LIBERTY PLACE, 45TH FLOOR, PHILADELPHIA, PA, 19103	

NUMBER OF CLAIMS: 63
 EXEMPLARY CLAIM: 1
 LINE COUNT: 5817
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention provides a gene encoding a G protein-coupled receptor (named mGPCR-x), constructs and recombinant host cells incorporating the gene; the mGPCR-x polypeptides encoded by the gene; antibodies to the mGPCR-x polypeptides; and methods of making and using all of the foregoing.

112 ANSWER 18 OF 62 USPATFULL
 ACCESSION NUMBER: 2003/23314 USPATFULL
 TITLE: Chronic obstructive pulmonary disease-related immunoglobulin derived proteins, compositions, methods and uses
 INVENTOR(S): Torphy, Theodore J., Bryn Mawr, PA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003037150	A1	20030103
APPLICATION INFO.:	US 2000-99007	A1	20000314 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-275652P	20010314 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	AUDLEY A. CIAMPORCINO JR., JOHNSON & JOHNSON, ONE JOHNSON & JOHNSON PLAZA, NEW BRUNSWICK, NJ, 08933-7003	
NUMBER OF CLAIMS:	10	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	1 Drawing Page(s)	
LINE COUNT:	511	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention relates to at least one novel COPD-related human Ig derived protein or specified portion or variant, including isolated nucleic acids that encode at least one COPD-related Ig derived protein or specified portion or variant, COPD-related Ig derived protein or specified portion or variants, vectors, host cells, transgenic animals or plants, and methods of making and using thereof, including therapeutic compositions, methods and devices.

L12 ANSWER 19 OF 62 USPATFULL USPATFULL
 ACCESSION NUMBER: 2003110649
 TITLE: T1R taste receptors and genes encoding same
 INVENTOR(S): Adler, Jon Elliot, San Diego, CA, UNITED STATES
 Zosulya, Sergey, San Diego, CA, UNITED STATES
 Li, Xiaodong, San Diego, CA, UNITED STATES
 O'Donnall, Rhawn, Encinitas, CA, UNITED STATES
 Staszewski, Lena, San Diego, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 20031008344	A1	20030109
APPLICATION INFO.:	US 2001-799629	A1	20010307 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-187546P	20000307 (60)
	US 2000-195526P	20000407 (60)
	US 2000-209840P	20000606 (60)
	US 2000-214513P	20000623 (60)
	US 2000-226489P	20000817 (60)
	US 2001-259227P	20010103 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: Pillsbury Winthrop LLP, Intellectual Property Group, East Tower, Ninth Floor, 1100 New York Avenue, N.W., Washington, DC, 20005-3918
 234
 NUMBER OF CLAIMS: 1
 EXEMPLARY CLAIM: 1 Drawing Page(s)
 LINE COUNT: 433
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB Newly identified mammalian taste-cell-specific G protein-coupled receptors, and the genes and cDNA encoding said receptors are described.
 Specifically, T1R G protein-coupled receptors active in taste signaling, and the genes and cDNA encoding the same, are described, along with methods for isolating such genes and for isolating and expressing such receptors. Methods for representing taste perception of a particular tastant in a mammal are also described, as are methods for generating novel molecules or combinations of molecules that elicit a predetermined taste perception in a mammal, and methods for stimulating one or more tastes. Further, methods for stimulating or blocking taste perception in a mammal are also disclosed.

L12 ANSWER 21 OF 62 USPATFULL USPATFULL
 ACCESSION NUMBER: 2002134628
 TITLE: Compositions and methods for the detection, diagnosis and therapy of hematological malignancies
 INVENTOR(S): Gaiger, Alexander, Seattle, WA, UNITED STATES
 Algate, Paul A., Issaquah, WA, UNITED STATES
 Mannon, Jane, Seattle, WA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002198362	A1	20021226
APPLICATION INFO.:	US 2001-796692	A1	20010301 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-223781P	20000807 (60)
	US 2000-232416P	20000804 (60)
	US 2000-222903P	20000803 (60)
	US 2000-218950P	20000714 (60)
	US 2000-206201P	20000522 (60)
	US 2000-202084P	20000504 (60)
	US 2000-208999P	20000501 (60)
	US 2000-200329P	20000428 (60)
	US 2000-200779P	20000428 (60)
	US 2000-200545P	20000427 (60)
	US 2000-190479P	20000317 (60)
	US 2000-186126P	20000301 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: TOWNSEND AND TOWNSEND AND CREW, LLP, 20 MARCADERO CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, 94111-3834
 100
 NUMBER OF CLAIMS: 1
 EXEMPLARY CLAIM: 5 Drawing Page(s)
 NUMBER OF DRAWINGS: 19014
 LINE COUNT: 4946
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB Disclosed are methods and compositions for the detection, diagnosis, prognosis, and therapy of hematological malignancies, and in particular, human leukemias and lymphomas of the follicular, Hodgkin's and B cell and T cell non-Hodgkin's types. Disclosed are compositions, methods and kits for eliciting immune and T cell responses to specific malignancy-related antigenic polypeptides and antigenic polypeptide fragments thereof in an animal. Also disclosed are compositions and methods for use in the identification of cells and biological samples containing one or more hematological malignancy-related compositions, and methods for the detection and diagnosis of such diseases and affected cell types. Also disclosed are diagnostic and therapeutic kits, as well as methods for the diagnosis, therapy and/or prevention of a variety of leukemias and lymphomas.

L12 ANSWER 20 OF 62 USPATFULL USPATFULL
 ACCESSION NUMBER: 2003185258
 TITLE: Nucleic acid encoding PTHrP receptor
 INVENTOR(S): Juppner, Harold, Cambridge, MA, United States
 Rubin, David A., Needham, MA, United States
 The General Hospital Corporation, Boston, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6541220	B1	20030401
APPLICATION INFO.:	US 1999-449632	B1	19991130 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-110679P	19981130 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: GRANTED
 PRIMARY EXAMINER: Mactz, Pema
 LEGAL REPRESENTATIVE: Sterne, Kessler, Goldstein & Fox PLLC
 NUMBER OF CLAIMS: 33
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 20 Drawing Figure(s); 18 Drawing Page(s)
 LINE COUNT: 2932
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention relates to novel parathyroid hormone (PTH) and parathyroid hormone related protein (PTHrP) receptors (PTHrP and PTHrR) isolated from zebrafish. The receptors of the present invention share homology with previously identified parathyroid hormone (PTH)/parathyroid related protein (PTHrP) receptors. Isolated nucleic acid molecules are provided encoding the zebrafish PTHrP and PTHrR receptors. PTHrP and PTHrR receptor polypeptides are also provided, as are vectors, host cells and recombinant methods for producing the same. The invention further relates to screening methods for identifying agonists and antagonists of PTHrP and PTHrR receptor activity and to diagnostic and therapeutic methods.

L12 ANSWER 22 OF 62 USPATFULL USPATFULL
 ACCESSION NUMBER: 2002137276
 TITLE: EG-VEGF nucleic acids and polypeptides and methods of use
 INVENTOR(S): Ferrara, Napoleone, San Francisco, CA, UNITED STATES
 Watanabe, Colin, Moraga, CA, UNITED STATES
 Wood, William I., Hillsborough, CA, UNITED STATES
 Sheh, Theresa, San Mateo, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002192634	A1	20021219
APPLICATION INFO.:	US 2001-27463	A1	20011219 (10)
RELATED APPL. INFO.:	Continuation-in-part of Ser. No. US 2001-882442, filed on 20 Jun 2001, PENDING Continuation-in-part of Ser. No. WO 2000-US32678, filed on 1 Dec 2000, PENDING Continuation-in-part of Ser. No. WO 2000-US4914, filed on 24 Feb 2000, PENDING Continuation-in-part of Ser. No. WO 2000-US219, filed on 5 Jan 2000, PENDING Continuation-in-part of Ser. No. WO 1999-US12252, filed on 2 Jun 1999, PENDING Continuation-in-part of Ser. No. US 2000-709236, filed on 8 Nov 2000, PENDING Continuation of Ser. No. US 380337, PENDING A 771 of International Ser. No. WO 1999-US12252, filed on 2 Jun 1999, PENDING		

No.

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-330978P	20000907 (60)
	US 2000-215237P	20000923 (60)
	US 1999-145698P	19990726 (60)
	US 1998-96146P	19980801 (60)
	US 1998-96146P	19980801 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: KNOBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614
 61
 NUMBER OF CLAIMS: 1
 EXEMPLARY CLAIM: 59 Drawing Page(s)
 NUMBER OF DRAWINGS: 4946
 LINE COUNT: 4946
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention is directed to novel polypeptides designated herein as EG-VEGF and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising

those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention. Also provided herein are methods of screening for modulators of EG-VEGF. Furthermore, methods and related methods of treatment are described herein which pertain to regulating cellular proliferation and chemotaxis.

L12 ANSWER 22 OF 62 USPATFULL
 ACCESSION NUMBER: 2002/301201 USPATFULL
 TITLE: Transacyclases of the pacitaxel biosynthetic pathway
 INVENTOR(S): Crocetti, Rodney B., Pullman, WA, UNITED STATES
 Walker, Kevin D., Pullman, WA, UNITED STATES
 Schoendorf, Anne, Pullman, WA, UNITED STATES
 Wildung, Mark A., Colfax, WA, UNITED STATES
 Washington State University Research Foundation (U.S. corporation)

NUMBER	KIND	DATE
US 2002168745	A1	20021114
US 2001-166470	A1	20010525 (9)

RELATED APPL. INFO.: Division of Ser. No. US 1999-457046, filed on 7 Dec 1999, GRANTED, Pat. No. US 6287835

Continuation-in-part of Ser. No. US 1999-411145, filed on 30 Sep 1999.

DOCUMENT TYPE: ABANDONED
 FILE SEGMENT: Utility
 LEGAL REPRESENTATIVE: KJARQUIST SPARJAN CAMPBELL, LEIGH & WHINSTON, LLP,
 One World Trade Center, Suite 1600, 121 S.W. Salmon Street, Portland, OR, 97204

NUMBER OF CLAIMS: 34
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 13 Drawing Page(s)
 LINE COUNT: 4463

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Transacyclase enzymes and the use of such enzymes to produce Taxol™, related taxoids, as well as intermediates in the Taxol™ biosynthetic pathway are disclosed. Also disclosed are nucleic acid sequences encoding the transacyclase enzymes.

L12 ANSWER 24 OF 62 USPATFULL
 ACCESSION NUMBER: 2002/295092 USPATFULL
 TITLE: Nucleic acids, proteins, and antibodies
 INVENTOR(S): Ruben, Steven M., Olney, MD, UNITED STATES
 Barch, Steven C., Rockville, MD, UNITED STATES
 Rosen, Craig A., Laytonville, MD, UNITED STATES
 Blaw, Charles E., North Potomac, MD, UNITED STATES
 Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)

NUMBER	KIND	DATE
US 2002165137	A1	20021107
US 2001-160670	A1	20010521 (9)

RELATED APPL. INFO.: Continuation-in-part of Ser. No. WO 2001-US1346, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-176489, filed on 17 Jan 2001, PENDING

NUMBER	DATE
US 2000-205515P	20000519 (60)
US 2000-179065P	20000313 (60)
US 2000-18058P	20000304 (60)
US 2000-225447P	20000814 (60)
US 2000-218290P	20000714 (60)
US 2000-216880P	20000707 (60)
US 2000-234997P	20000925 (60)
US 2000-229342P	20000901 (60)
US 2000-236367P	20000929 (60)
US 2000-239937P	20001013 (60)
US 2000-249210P	20001117 (60)
US 2000-249219P	20001117 (60)
US 2000-249214P	20001117 (60)
US 2000-231243P	20000908 (60)
US 2000-246477P	20001108 (60)
US 2000-246528P	20001108 (60)
US 2000-246525P	20001108 (60)
US 2000-246476P	20001108 (60)
US 2000-246526P	20001108 (60)
US 2000-249265P	20001117 (60)
US 2000-230437P	20001201 (60)
US 2000-251990P	20001208 (60)
US 2000-251988P	20001205 (60)
US 2000-251030P	20001205 (60)
US 2000-251479P	20001206 (60)
US 2000-256719P	20001205 (60)
US 2000-250160P	20001211 (60)
US 2000-251989P	20001208 (60)
US 2000-250391P	20001201 (60)
US 2000-254097P	20001211 (60)
US 2000-179065P	20000313 (60)
US 2000-180628P	20000404 (60)
US 2000-214866P	20000628 (60)
US 2000-217487P	20000711 (60)
US 2000-225758P	20000814 (60)
US 2000-220963P	20000728 (60)
US 2000-217496P	20000711 (60)

L12 ANSWER 24 OF 62 USPATFULL (Continued)

US 2000-225447P	20000814 (60)
US 2000-218290P	20000714 (60)
US 2000-235757P	20000814 (60)
US 2000-226668P	20000622 (60)
US 2000-216647P	20000707 (60)
US 2000-225267P	20000814 (60)
US 2000-216880P	20000707 (60)
US 2000-225270P	20000814 (60)
US 2000-251869P	20001208 (60)
US 2000-221834P	20000927 (60)
US 2000-224274P	20000921 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 24
 EXEMPLARY CLAIM: 1
 LINE COUNT: 28253

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides.

of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

L12 ANSWER 25 OF 62 USPATFULL
 ACCESSION NUMBER: 2002/394670 USPATFULL
 TITLE: Human PGP-21 gene and gene expression products
 INVENTOR(S): Itoh, Nobuyuki, Kyoto, JAPAN
 Kavanagh, M. Michael, Mill Valley, CA, UNITED STATES
 Chiron Corporation, Emeryville, CA, UNITED STATES (non-U.S. corporation)

NUMBER	KIND	DATE
US 2002164713	A1	20021107
US 2002-60765	A1	20020319 (10)

RELATED APPL. INFO.: Division of Ser. No. US 2000-715805, filed on 16 Nov 2000, PENDING

NUMBER	DATE
US 2000-203633P	20000511 (60)
US 1999-166540P	19991118 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: SEED INTELLECTUAL PROPERTY LAW GROUP PLLC, 701 FIFTH AVE, SUITE 6300, SEATTLE, WA, 98104-7052

NUMBER OF CLAIMS: 59
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 1 Drawing Page(s)
 LINE COUNT: 1797

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention relates to human fibroblast growth factor (hFGF-21), and to variants thereof and to polynucleotides encoding FGF-21. The invention also relates to diagnostic and therapeutic agents related to the polynucleotides and proteins, including probes and antibodies, and to methods of treating liver disease such as cirrhosis and cancer, methods of treating conditions related to thymic function, and methods of treating conditions of the testis. The invention also relates to mouse fibroblast growth factor (mFGF-21), and to variants thereof and polynucleotides encoding mFGF-21.

L12 ANSWER 26 OF 62 USPATFULL
 ACCESSION NUMBER: 2002:294533 USPATFULL
 TITLE: Methods for diagnosis and treatment of diseases associated with altered expression of Hrf2
 INVENTOR(S): Pedersen, Finn Skov, Aarhus V, DENMARK
 Soerensen, Annette Balle, Aarhus N, DENMARK
 Moring, Helle, Aarhus V, DENMARK

NUMBER	KIND	DATE
US 2002164576	A1	20021107
US 2001-962855	A1	20010924 (9)

 PATENT INFORMATION: Continuation of Ser. No. US 2000-668644, filed on 22 Sep 2000, PENDING
 DOCUMENT TYPE: APPLICATION
 FILE SEGMENT: ALABRITTON & HERBERT LLP, FLEHR HOHBACH TEST, Suite 3400, Four Embarcadero Center, San Francisco, CA, 94111-4187
 LEGAL REPRESENTATIVE: 19
 NUMBER OF CLAIMS: 1
 EXEMPLARY CLAIM: 1
 LINE COUNT: 3204
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention relates to novel sequences for use in diagnosis and treatment of lymphoma and leukemia. In addition, the present invention describes the use of novel compositions for use in screening methods.

L12 ANSWER 27 OF 62 USPATFULL
 ACCESSION NUMBER: 2002:288084 USPATFULL
 TITLE: Mammalian glycoprotein hormone-1
 INVENTOR(S): Holloway, James L., Seattle, WA, UNITED STATES
 Webster, Phillipa J., Seattle, WA, UNITED STATES
 Thayer, Edward C., Seattle, WA, UNITED STATES

NUMBER	KIND	DATE
US 2002160953	A1	20021031
US 2001-941388	A1	20010810 (9)

 PATENT INFORMATION: Continuation of Ser. No. US 2001-839706, filed on 30 Apr 2001, PENDING
 DOCUMENT TYPE: APPLICATION
 FILE SEGMENT: Paul G. Lunn, Esq., ZymoGenetics, Inc., 1201 Eastlake Avenue East, Seattle, WA, 98102
 LEGAL REPRESENTATIVE: 6
 NUMBER OF CLAIMS: 1
 EXEMPLARY CLAIM: 1
 LINE COUNT: 4401
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB Mammalian glycoprotein hormone-1 (Zlut1) polypeptides, polynucleotides encoding the polypeptides, antibodies that specifically bind to the polypeptides, expression vectors comprised of the polynucleotides, and host cells transformed with the expression vectors.

L12 ANSWER 28 OF 62 USPATFULL
 ACCESSION NUMBER: 2002:287561 USPATFULL
 TITLE: T1R hetero-oligomeric taste receptors
 INVENTOR(S): Adler, Jon Elliot, San Diego, CA, UNITED STATES
 Li, Xiaodong, San Diego, CA, UNITED STATES
 Staszewski, Lena, San Diego, CA, UNITED STATES
 Xu, Hong, San Diego, CA, UNITED STATES
 Echeverri, Fernando, Chula Vista, CA, UNITED STATES

NUMBER	KIND	DATE
US 2002160424	A1	20021031
US 2001-897427	A1	20010703 (9)

 PATENT INFORMATION: US 2001-280606P 20010330 (60)
 DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: PILLSBURY WINTKROP, LLP, P.O. BOX 10500, MCLEAN, VA, 22102
 NUMBER OF CLAIMS: 99
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 6 Drawing Page(s)
 LINE COUNT: 3201
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB Newly identified mammalian taste-cell-specific G protein-coupled receptors which function as hetero-oligomeric complexes in the sweet taste transduction pathway, and the genes and cDNA encoding said receptors are described. Specifically, T1R G protein-coupled receptors active in sweet taste signaling as hetero-oligomeric complexes, and the genes and cDNA encoding the same, are described, along with methods for isolating such genes and for isolating and expressing such receptors. Methods for identifying putative taste modulating compounds using such hetero-oligomeric complexes also described, as is a novel surface expression facilitating peptide useful for targeting integral plasma membrane proteins to the surface of a cell.

L12 ANSWER 29 OF 62 USPATFULL
 ACCESSION NUMBER: 2002:259379 USPATFULL
 TITLE: Isolated human G-protein coupled receptors, nucleic acid molecules encoding human GPCR proteins, and uses thereof
 INVENTOR(S): Webster, Marion, San Francisco, CA, UNITED STATES
 Beasley, Ellen M., Germantown, MD, UNITED STATES
 Ferschman, Karen A., Germantown, MD, UNITED STATES
 Di Francesco, Valentina, Rockville, MD, UNITED STATES

NUMBER	KIND	DATE
US 2002142951	A1	20021003
US 2001-818264	A1	20010328 (9)

 PATENT INFORMATION: CELERA GENOMICS CORPORATION, 45 West Gude Dr. C2-4620, Rockville, MD, 20850
 DOCUMENT TYPE: APPLICATION
 FILE SEGMENT: 23
 LEGAL REPRESENTATIVE: 1
 NUMBER OF CLAIMS: 29 Drawing Page(s)
 NUMBER OF DRAWINGS: 3926
 LINE COUNT: 3926
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention provides amino acid sequences of peptides that are encoded by genes within the Human genome, the GPCR peptides of the present invention. The present invention specifically provides isolated peptide and nucleic acid molecules, methods of identifying orthologs and paralog of the GPCR peptides and methods of identifying modulators of the GPCR peptides.

L12 ANSWER 30 OF 62 USPATFULL
 ACCESSION NUMBER: 2002/258806 USPATFULL
 TITLE: Isolated human transporter proteins, nucleic acid molecules encoding human transporter proteins, and use thereof
 INVENTOR(S): Merkulov, Gennady, Baltimore, MD, UNITED STATES
 Ouegler, Karl, Menlo Park, CA, UNITED STATES
 Brandon, Rhonda C., Laytonville, MD, UNITED STATES
 Di Francesco, Valentina, Rockville, MD, UNITED STATES
 Beasley, Ellen M., Barnestown, MD, UNITED STATES

NUMBER	KIND	DATE
US 2002/42376	A1	2002/0303
US 2001-768781	A1	2001/0125 (9)

Continuation-in-part of Ser. No. US 2000-740034, filed on 20 Dec 2000, ABANDONED

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: CELERA GENOMICS CORP., ATTN: WAYNE MONTGOMERY, VICE PRES, INTEL PROPERTY, 45 WEST GUEDE DRIVE, C2-4W20, ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 23
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 14 Drawing Page(s)
 LINE COUNT: 3248

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention provides amino acid sequences of peptides that are encoded by genes within the human genome, the transporter peptides of the present invention. The present invention specifically provides isolated peptides and nucleic acid molecules, methods of identifying orthologs and paralogs of the transporter peptides, and methods of identifying modulators of the transporter peptides.

L12 ANSWER 31 OF 62 USPATFULL
 ACCESSION NUMBER: 2002/252894 USPATFULL
 TITLE: Transacylases of the peptidase biosynthetic pathway
 INVENTOR(S): Crotsau, Rodney B., Pullman, WA, UNITED STATES
 Walker, Kevin D., Pullman, WA, UNITED STATES
 Schoendorf, Anne N.M.N., Pullman, WA, UNITED STATES
 Wildung, Mark R., Colfax, WA, UNITED STATES
 Washington State University Research Foundation (U.S. corporation)

NUMBER	KIND	DATE
US 2002/13855	A1	2002/0926
US 2001-866572	A1	2001/0525 (9)

Division of Ser. No. US 1999-457046, filed on 7 Dec 1999, GRANTED, Pat. No. US 6287835

Continuation-in-part of Ser. No. US 1999-411145, filed on 30 Sep 1999, ABANDONED

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: KLAQUIST SPARKMAN CAMPBELL, LEIGH & WHINSTON, LLP, World Trade Center, Suite 1600, 121 S. W. Salmon, Portland, OR, 97204

NUMBER OF CLAIMS: 34
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 14 Drawing Page(s)
 LINE COUNT: 4466

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB Transacylase enzymes and the use of such enzymes to produce Taxol™, related taxoids, as well as intermediates in the Taxol™ biosynthetic pathway are disclosed. Also disclosed are nucleic acid sequences encoding the transacylase enzymes.

L12 ANSWER 32 OF 62 USPATFULL
 ACCESSION NUMBER: 2002/243087 USPATFULL
 TITLE: Receptor fingerprinting, sensory perception, and biosensors of chemical sense
 INVENTOR(S): Stryer, Lubert, Stanford, CA, UNITED STATES
 Zorulya, Sergey, San Diego, CA, UNITED STATES
 Senomyx, Inc., La Jolla, CA, UNITED STATES (U.S. corporation)

NUMBER	KIND	DATE
US 2002/13273	A1	2002/0919
US 2001-886055	A1	2001/0622 (9)

PRIORITY INFORMATION: US 2000-213812P 2000/0622 (60)
 DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: PRILESBURY WINTHROP LLP, 1600 TYSONS BOULEVARD, MCLEAN, VA, 22102

NUMBER OF CLAIMS: 22
 EXEMPLARY CLAIM: 1
 LINE COUNT: 2854

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The use of sensory G protein-coupled receptors that recognize chemical sense, particularly those involving olfactory and taste receptors; polypeptide fragments and mutants thereof; classes of such receptors; polynucleotides encoding such receptors, fragments and mutants thereof, and representatives of receptor classes; genetic vectors including such polynucleotides; and cells and non-human organisms engineered to express such receptor complexes, fragments and mutants of an olfactory or taste receptor, and representatives of receptor classes to simulate sensory perception of odorants and tastants is described. The use of such products as a biosensor or a component thereof to detect, identify, measure, or otherwise process the event of binding between the receptor and its cognate ligand (i.e., chemical sense) is also described. The invention has application, for example, in the design and formulation of odorant and tastant compositions.

L12 ANSWER 33 OF 62 USPATFULL
 ACCESSION NUMBER: 2002/214223 USPATFULL
 TITLE: Prokineticin polypeptides, related compositions and methods
 INVENTOR(S): Zhou, Qun-Yong, Irvine, CA, UNITED STATES
 Ehler, Frederick J., Irvine, CA, UNITED STATES

NUMBER	KIND	DATE
US 2002/15610	A1	2002/0822
US 2001-16481	A1	2001/1101 (10)

PRIORITY INFORMATION: US 2000-245882P 2000/1101 (60)
 DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: CAMPBELL & FLORES LLP, 4370 LA JOLLA VILLAGE DRIVE, 7TH FLOOR, SAN DIEGO, CA, 92122

NUMBER OF CLAIMS: 52
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 8 Drawing Page(s)
 LINE COUNT: 2082

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The invention provides isolated polypeptides that stimulate gastrointestinal smooth muscle contraction, including human prokineticin 1 and human prokineticin 2 polypeptides, and functional fragments and modifications thereof. Also provided are methods of stimulating gastrointestinal smooth muscle contraction in a mammal, by administering to the mammal an effective amount of a prokineticin polypeptide. The invention also provides nucleic acid molecules encoding a prokineticin polypeptide, and antibodies that selectively bind a prokineticin polypeptide. Further provided are methods of identifying a prokineticin receptor ligand, agonist or antagonist.

L12 ANSWER 34 OF 62 USPATFULL
 ACCESSION NUMBER: 2002:313766 USPATFULL
 TITLE: Tumor associated nucleic acids and uses thereof
 INVENTOR(S): Martelange, Valerie, Brussels, BELGIUM
 Smet, Charles De, Brussels, BELGIUM
 Boon-Falleur, Thierry, Brussels, BELGIUM

NUMBER	KIND	DATE
US 2002115142	A1	20020622
US 2001-933831	A1	20010607 (9)

PATENT INFORMATION: Division of Ser. No. US 2000-567995, filed on 10 May 2000, GRANTED, Pat. No. US 6303756 Division of Ser. No. 1998-183706, filed on 30 Oct 1998, GRANTED, Pat. No. 6245525 Continuation-in-part of Ser. No. US 1998-122959, filed on 27 Jul 1998, ABANDONED

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: WOLF GREENFIELD & SACKS, PC, FEDERAL RESERVE PLAZA, 600 ATLANTIC AVENUE, BOSTON, MA, 02210-2211

NUMBER OF CLAIMS: 43
 EXEMPLARY CLAIM: 1
 LINE COUNT: 2859
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention describes sdp3.8 tumor associated nucleic acids, including fragments and biologically functional variants thereof. Also included are polypeptides and fragments thereof encoded by such nucleic acids, and antibodies relating thereto. Methods and products also are provided for diagnosing and treating conditions characterized by expression of a sdp3.8 gene product.

L12 ANSWER 35 OF 62 USPATFULL
 ACCESSION NUMBER: 2002:191539 USPATFULL
 TITLE: Full-length human cDNAs encoding potentially secreted proteins
 INVENTOR(S): Milne Edwards, Jean-Baptiste Dumas, Paris, FRANCE
 Bougueleret, Lydie, Petit Lancy, SWITZERLAND
 Jobert, Severin, Paris, FRANCE

NUMBER	KIND	DATE
US 2002102604	A1	20020801
US 2000-731872	A1	20001207 (9)

PATENT INFORMATION: US 1999-165629P 19991208 (60)
 US 2000-187470P 20000306 (60)

PRIORITY INFORMATION: US 1999-165629P 19991208 (60)
 US 2000-187470P 20000306 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: John Lucas, Ph.D., J.D., Genet Corporation, 10665 Serrito Valley Road, San Diego, CA, 92121-1609

NUMBER OF CLAIMS: 25
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 5 Drawing Page(s)
 LINE COUNT: 28661
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention concerns GENSET polynucleotides and polypeptides. Such GENSET products may be used as reagents in forensic analyses, as chromosome markers, as tissue/cell/organelle-specific markers, in the production of expression vectors. In addition, they may be used in screening and diagnosis assays for abnormal GENSET expression and/or biological activity and for screening compounds that may be used in the treatment of GENSET-related disorders.

L12 ANSWER 36 OF 62 USPATFULL
 ACCESSION NUMBER: 2002:157040 USPATFULL
 TITLE: Nucleic acids, proteins and antibodies
 INVENTOR(S): Roem, Craig A., Laytonsville, MD, UNITED STATES
 Ruben, Steven M., Olney, MD, UNITED STATES

NUMBER	KIND	DATE
US 2002081659	A1	20020627
US 2001-925297	A1	20010810 (9)

PATENT INFORMATION: Continuation-in-part of Ser. No. WO 2000-US989, filed on 8 Mar 2000, UNKNOWN

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 23
 EXEMPLARY CLAIM: 1
 LINE COUNT: 20326
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel pancreatic related polynucleotides, the polypeptides encoded by these polynucleotides herein collectively referred to as "pancreatic antigens," and antibodies that immunospecifically bind these polypeptides, and the use of such pancreatic polynucleotides, antigens, and antibodies for detecting, treating, preventing and/or prognosing disorders of the pancreas, including, but not limited to, the presence of pancreatic cancer and pancreatic cancer metastases. More specifically, isolated pancreatic nucleic acid molecules are provided encoding novel pancreatic polypeptides. Novel pancreatic polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human pancreatic polynucleotides, polypeptides, and/or antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the pancreas, including pancreatic cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The invention further relates to methods and/or compositions for inhibiting or promoting the production and/or function of the polypeptides of the invention.

L12 ANSWER 37 OF 62 USPATFULL
 ACCESSION NUMBER: 2002:133852 USPATFULL
 TITLE: 20685, 579, 17114, 23821, 33894 and 32613, novel human transporters
 INVENTOR(S): Glucksmann, Maria Alexandra, Lexington, MA, UNITED STATES
 Millennium Pharmaceuticals, Inc. (U.S. corporation)

NUMBER	KIND	DATE
US 2002068710	A1	20020604
US 2001-795693	A1	20010228 (9)

PATENT INFORMATION: US 2000-185904P 20000229 (60)

PRIORITY INFORMATION: US 2000-185904P 20000229 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: ALSTON & BIRD LLP, BANK OF AMERICA PLAZA, 101 SOUTH TRYON STREET, SUITE 4000, CHARLOTTE, NC, 28260-4000

NUMBER OF CLAIMS: 25
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 76 Drawing Page(s)
 LINE COUNT: 8073
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to newly identified human transporters. In particular, the invention relates to transporter polypeptides and polynucleotides, methods of detecting the transporter polypeptides and polynucleotides, and methods of diagnosing and treating transporter-related disorders. Also provided are vectors, host cells, and recombinant methods for making and using the novel molecules.

L12 ANSWER 38 OF 62 USPATFULL
 ACCESSION NUMBER: 2002:119586 USPATFULL
 TITLE: Identification of essential genes in prokaryotes
 INVENTOR(S): Hesselbeck, Robert, San Diego, CA, UNITED STATES
 Ohlsen, Mark L., San Diego, CA, UNITED STATES
 Zyskind, Judith M., La Jolla, CA, UNITED STATES
 Wall, Daniel, San Diego, CA, UNITED STATES
 Trawick, John D., La Mesa, CA, UNITED STATES
 Carr, Grant J., Escondido, CA, UNITED STATES
 Yamamoto, Robert T., San Diego, CA, UNITED STATES
 Xu, H. Howard, San Diego, CA, UNITED STATES

NUMBER	KIND	DATE
US 2002061569	A1	20020523
APPLICATION INFO:	US 2001-619242	A1 20010321 (9)

NUMBER	DATE
US 2000-191078P	20000321 (60)
US 2000-206848P	20000523 (60)
US 2000-207737P	20000526 (60)
US 2000-249278P	20000102 (60)
US 2000-253625P	20001127 (60)
US 2000-257931P	20001222 (60)
US 2001-269308P	20010216 (60)

DOCUMENT TYPE: APPLICATION
 FILE SEGMENT: ROBBINS MARTINS OLSON & BEAR LLP, 620 NEWPORT CENTER DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA, 92660
 LEGAL REPRESENTATIVE: 44
 EXEMPLARY CLAIM: 1
 NUMBER OF CLAIMS: 4 Drawing Page(s)
 NUMBER OF DRAWINGS: 1
 LINE COUNT: 30870

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The sequences of antisense nucleic acids which inhibit the proliferation of prokaryotes are disclosed. Cell-based assays which employ the antisense nucleic acids to identify and develop antibiotics are also disclosed. The antisense nucleic acids can also be used to identify proteins required for proliferation, express these proteins or portions thereof, obtain antibodies capable of specifically binding to the expressed proteins, and to use those expressed proteins as a screen to isolate candidate molecules for rational drug discovery programs. The nucleic acids can also be used to screen for homologous nucleic acids that are required for proliferation in cells other than *Staphylococcus aureus*, *Salmonella typhimurium*, *Klebsiella pneumoniae*, and *Pseudomonas aeruginosa*. The nucleic acids of the present invention can also be used in various assay systems to screen for proliferation required genes in other organisms.

L12 ANSWER 39 OF 62 USPATFULL
 ACCESSION NUMBER: 2002:113571 USPATFULL
 TITLE: Novel G protein-coupled receptors
 INVENTOR(S): Vogeli, Gabriel, Seattle, WA, UNITED STATES

NUMBER	KIND	DATE
US 2002058106	A1	20020514
APPLICATION INFO:	US 2001-811284	A1 20010316 (9)

NUMBER	DATE
US 2000-189783P	20000316 (60)
US 2000-189918P	20000316 (60)
US 2000-189960P	20000316 (60)
US 2000-189917P	20000316 (60)
US 2000-189907P	20000316 (60)
US 2000-192945P	20000329 (60)
US 2000-192916P	20000329 (60)
US 2000-192933P	20000329 (60)
US 2000-192933P	20000329 (60)
US 2000-192830P	20000329 (60)
US 2000-192214P	20000327 (60)
US 2000-192155P	20000324 (60)
US 2000-192935P	20000329 (60)

PRIORITY INFORMATION: The present invention provides a gene encoding a G protein-coupled receptor termed nGPCR-x; constructs and recombinant host cells incorporating the gene; the nGPCR-x polypeptides encoded by the gene; antibodies to the nGPCR-x polypeptides; and methods of making and using all of the foregoing.

DOCUMENT TYPE: APPLICATION
 FILE SEGMENT: WOODCOCK WASHBURN KURTZ HACKMEICE & MORRIS LLP, ATTENTION: SUSANNE E. MILLER ESQ., ONE LIBERTY PLACE, 46TH FLOOR, PHILADELPHIA, PA, 19103
 LEGAL REPRESENTATIVE: 51
 EXEMPLARY CLAIM: 1
 NUMBER OF CLAIMS: 11281
 LINE COUNT: 1
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides a gene encoding a G protein-coupled receptor termed nGPCR-x; constructs and recombinant host cells incorporating the gene; the nGPCR-x polypeptides encoded by the gene; antibodies to the nGPCR-x polypeptides; and methods of making and using all of the foregoing.

L12 ANSWER 40 OF 62 USPATFULL
 ACCESSION NUMBER: 2002:84902 USPATFULL
 TITLE: Nucleic acids, proteins and antibodies
 INVENTOR(S): Rosen, Craig A., Laytonville, MD, UNITED STATES
 Ruben, Steven M., Olney, MD, UNITED STATES

NUMBER	KIND	DATE
US 2002044941	A1	20020418
US 2003064072	A9	20030403
APPLICATION INFO:	US 2001-923102	A1 20010810 (9)
RELATED APPL. INFO:	Continuation-in-part of Ser. No. WO 2000-055918, filed on 8 Mar 2000, UNKNOWN	

NUMBER	DATE
US 1999-124270P	19990312 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850
 NUMBER OF CLAIMS: 23
 EXEMPLARY CLAIM: 1
 LINE COUNT: 21321

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention relates to novel lung cancer related polynucleotides, the polypeptides encoded by these polynucleotides herein collectively referred to as "lung cancer antigens," and antibodies that immunospecifically bind these polypeptides, and the use of such lung cancer polynucleotides, antigens, and antibodies for detecting, treating, preventing and/or prognosing disorders of the lung, including, but not limited to, the presence of lung cancer and lung cancer metastases. More specifically, isolated lung cancer nucleic acid molecules are provided encoding novel lung cancer polypeptides. Novel lung cancer polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant synthetic methods for producing human lung cancer polynucleotides, polypeptides, and/or antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the lung, including lung cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The invention further relates to methods and/or compositions for inhibiting or promoting the production and/or function of the polypeptides of the invention.

L12 ANSWER 41 OF 62 USPATFULL
 ACCESSION NUMBER: 2002:72627 USPATFULL
 TITLE: Nucleic acids, proteins, and antibodies
 INVENTOR(S): Rosen, Craig A., Laytonville, MD, UNITED STATES
 Ruben, Steven M., Olney, MD, UNITED STATES

NUMBER	KIND	DATE
US 2002039764	A1	20020404
US 2001-925298	A1	20010810 (9)
RELATED APPL. INFO:	Continuation-in-part of Ser. No. WO 2000-055861, filed on 8 Mar 2000, UNKNOWN	

NUMBER	DATE
US 1999-124270P	19990312 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850
 NUMBER OF CLAIMS: 23
 EXEMPLARY CLAIM: 1
 LINE COUNT: 20087

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention relates to novel ovarian cancer and/or breast cancer related polynucleotides, the polypeptides encoded by these polynucleotides herein collectively referred to as "ovarian and/or breast antigens," and antibodies that immunospecifically bind these polypeptides, and the use of such ovarian and/or breast polynucleotides, antigens, and antibodies for detecting, treating, preventing and/or prognosing disorders of the reproductive system, particularly disorders of the ovaries and/or breast, including, but not limited to, the presence of ovarian and/or breast cancer and ovarian and/or breast cancer metastases. More specifically, isolated ovarian and/or breast nucleic acid molecules are provided encoding novel ovarian and/or breast polypeptides. Novel ovarian and/or breast polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant synthetic methods for producing human ovarian and/or breast polynucleotides, polypeptides, and/or antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the ovaries and/or breast, including ovarian and/or breast cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The invention further relates to methods and/or compositions for inhibiting or promoting the production and/or function of the polypeptides of the invention.

L12 ANSWER 42 OF 62 USPATFULL
 ACCESSION NUMBER: 2002:310787 USPATFULL
 TITLE: Nucleic acid molecules that encodes human Ezen1
 INVENTOR(S): Rheapard, Paul O., Granite Falls, WA, United States
 Bishop, Paul D., Fall City, WA, United States
 Patented Assignee(S): SymoGenetics, Inc., Seattle, WA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6485938	B1	20021126
APPLICATION INFO.:	US 2000-712529		20001114 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-165905P	19991116 (60)
	US 2000-184875P	20000225 (60)
	US 2000-197750P	20000419 (60)
	US 2000-210332P	20000607 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: GRANTED
 PRIMARY EXAMINER: Eyster, Yvonne
 ASSISTANT EXAMINER: Andrea, Janet L.
 LEGAL REPRESENTATIVE: Jones, Phillip B.C.
 NUMBER OF CLAIMS: 20
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 0 Drawing Figure(s); 0 Drawing Page(s)
 LINE COUNT: 2934

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides two members of a new family of human proteins, designated as "Ezen." The Ezen1 gene, which resides in human chromosome 3p21.3-3p14.3, is expressed in testicular tissue and peripheral blood lymphocytes.

L12 ANSWER 43 OF 62 USPATFULL
 ACCESSION NUMBER: 2002:290742 USPATFULL
 TITLE: 94 Human Secreted Proteins
 INVENTOR(S): Ruben, Steven M., Olney, MD, United States
 Nien, Jian, Rockville, MD, United States
 Rozen, Craig A., Laytonville, MD, United States
 Wei, Ying-Pei, Berkeley, CA, United States
 Young, Paul, Gaithersburg, MD, United States
 Florence, Kimberly, Rockville, MD, United States
 Soppet, Daniel R., Centerville, VA, United States
 Brewer, Laurie A., St. Paul, MN, United States
 Endress, Gregory A., Potomac, MD, United States
 Carter, Kenneth C., Potomac, MD, United States
 Mucenaki, Michael, Cincinnati, OH, United States
 Ebner, Reinhard, Gaithersburg, MD, United States
 Laflieur, David W., Washington, DC, United States
 Olsen, Henrik, Gaithersburg, MD, United States
 Shi, Yanguo, Gaithersburg, MD, United States
 Moore, Paul A., Germantown, MD, United States
 Komatsu, George, Silver Spring, MD, United States
 Human Genome Sciences, Inc., Rockville, MD, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6475753	B1	20021105
APPLICATION INFO.:	US 1999-461325		19991214 (9)
RELATED APPL. INFO.:	Continuation-in-part of Ser. No. WO 1999-US13418, filed on 15 Jun 1999		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-89507P	19980616 (60)
	US 1998-89508P	19980616 (60)
	US 1998-89509P	19980616 (60)
	US 1998-89510P	19980616 (60)
	US 1998-90112P	19980622 (60)
	US 1998-90113P	19980622 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: GRANTED
 PRIMARY EXAMINER: Eyster, Yvonne
 ASSISTANT EXAMINER: Hamud, Fozia
 LEGAL REPRESENTATIVE: Human Genome Sciences, Inc.
 NUMBER OF CLAIMS: 37
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 0 Drawing Figure(s); 0 Drawing Page(s)
 LINE COUNT: 18031

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins.

L12 ANSWER 43 OF 62 USPATFULL (Continued)

L12 ANSWER 44 OF 62 USPATFULL
 ACCESSION NUMBER: 2002:283360 USPATFULL
 TITLE: Keratinocyte derived interferon
 INVENTOR(S): Laflieur, David W., Washington, DC, United States
 Moore, Paul A., Germantown, MD, United States
 Ruben, Steven M., Olney, MD, United States
 Human Genome Sciences, Inc., Rockville, MD, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6472512	B1	20021029
APPLICATION INFO.:	US 2002187950	A1	20021212
RELATED APPL. INFO.:	US 2001-908594		20010728 (9)
	Continuation-in-part of Ser. No. US 2000-487792, filed on 20 Jan 2000 Continuation-in-part of Ser. No. WO 2000-061239, filed on 20 Jan 2000 Continuation-in-part of Ser. No. US 1999-358587, filed on 21 Jul 1999		
	Continuation-in-part of Ser. No. WO 1999-US16424, filed on 21 Jul 1999 Continuation-in-part of Ser. No. US 2001-358587, filed on 24 May 2001, now abandoned		
	Continuation-in-part of Ser. No. WO 1998-US9916424, filed on 21 Jul 1998, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-93934P	20010524 (60)
	US 2000-219623P	20000721 (60)
	US 1998-93643P	19980721 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: GRANTED
 PRIMARY EXAMINER: Kunz, Gary L.
 ASSISTANT EXAMINER: Scheraga, Jegatheesan
 LEGAL REPRESENTATIVE: Human Genome Sciences, Inc.
 NUMBER OF CLAIMS: 33
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 11 Drawing Figure(s); 11 Drawing Page(s)
 LINE COUNT: 14148

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a novel KDI protein which is a member of the interferon family. In particular, isolated nucleic acid molecules are provided encoding a human interferon polypeptide, called "KDI". KDI polypeptides are also provided as are vectors, host cells and recombinant methods for producing the same. The invention further relates to screening methods for identifying agonists and antagonists of KDI activity. Also provided are therapeutic methods for treating immune system-related disorders.

L12 ANSWER 45 OF 62 USPATFULL
 ACCESSION NUMBER: 2002102339 USPATFULL
 TITLE: Keratinocyte derived interferon
 INVENTOR(S): Lafleur, David W., Washington, DC, United States
 Moore, Paul A., Germantown, MD, United States
 Ruben, Steven M., Olney, MD, United States
 Human Genome Sciences, Inc., Rockville, MD, United States (U.S. corporation)
 PATENT ASSIGNEE(S):
 NUMBER KIND DATE
 PATENT INFORMATION: US 6433145 B1 20020813
 APPLICATION INFO.: US 2000-487792 20000110 (9)
 RELATED APPL. INFO.: Continuation-in-part of Ser. No. US 1999-358587, filed on 21 Jul 1999, now abandoned Continuation-in-part of Ser. No. US 1999-US16424, filed on 21 Jul 1999

NUMBER DATE
 PRIORITY INFORMATION: US 936439 (60)
 DOCUMENT TYPE: Utility
 FILE SEGMENT: GRANTED
 PRIMARY EXAMINER: Strucke, Jeffrey
 ASSISTANT EXAMINER: Seharaseyan, Jegatheesan
 LEGAL REPRESENTATIVE: Human Genome Sciences, Inc.
 NUMBER OF CLAIMS: 92
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 9 Drawing Figure(s); 9 Drawing Page(s)
 LINE COUNT: 13514
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention relates to a novel KDI protein which is a member of the interferon family. In particular, isolated nucleic acid molecules are provided encoding a human interferon polypeptide, called "KDI". KDI polypeptides are also provided as are vectors, host cells and recombinant methods for producing the same. The invention further relates to screening methods for identifying agonists and antagonists of KDI activity. Also provided are therapeutic methods for treating immune system-related disorders.

L12 ANSWER 46 OF 62 USPATFULL
 ACCESSION NUMBER: 2002181611 USPATFULL
 TITLE: Soluble protein ZTMPD-1
 INVENTOR(S): Sheppard, Paul C., Redmond, WA, United States
 Conklin, Darrell C., Seattle, WA, United States
 Parrish, Theresa M., Seattle, WA, United States
 Maurer, Mark F., Bellevue, WA, United States
 Grossmann, Angelika, Seattle, WA, United States
 ZymoGenetics, Inc., Seattle, WA, United States (U.S. corporation)
 PATENT ASSIGNEE(S):

NUMBER KIND DATE
 PATENT INFORMATION: US 6372859 B1 20020416
 APPLICATION INFO.: US 1999-294531 19990419 (9)

NUMBER DATE
 PRIORITY INFORMATION: US 1998-82533P 19980421 (60)
 DOCUMENT TYPE: Utility
 FILE SEGMENT: GRANTED
 PRIMARY EXAMINER: McKelvey, Terry
 LEGAL REPRESENTATIVE: Lindemeyer, Susan E.
 NUMBER OF CLAIMS: 5
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 3 Drawing Figure(s); 3 Drawing Page(s)
 LINE COUNT: 2899
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention relates to polynucleotide and polypeptide molecules for ZTMPD-1, a novel soluble protein with homology to emerlin and the thymoproteins. The polypeptides, and polynucleotides encoding them are useful for modulating cellular proliferation and differentiation and may be used for diagnostic purposes. The present invention also includes antibodies to the ZTMPD-1 polypeptides.

L12 ANSWER 47 OF 62 USPATFULL
 ACCESSION NUMBER: 2001179243 USPATFULL
 TITLE: Tumor associated nucleic acids and uses therefor
 INVENTOR(S): Martelange, Valerie, Brussels, Belgium
 De Smet, Charles, Brussels, Belgium
 Boon-Falleur, Thierry, Brussels, Belgium
 Ludwig Institute for Cancer Research, New York, NY, United States (U.S. corporation)
 PATENT ASSIGNEE(S):
 NUMBER KIND DATE
 PATENT INFORMATION: US 6303756 B1 20011016
 APPLICATION INFO.: US 2000-567995 20000510 (9)
 RELATED APPL. INFO.: Continuation of Ser. No. US 1998-183706, filed on 30 Oct 1998 Continuation-in-part of Ser. No. US 1998-192969, filed on 27 Jul 1998
 DOCUMENT TYPE: Utility
 FILE SEGMENT: GRANTED
 PRIMARY EXAMINER: McGarry, Sean
 ASSISTANT EXAMINER: Shibuya, Mark L.
 LEGAL REPRESENTATIVE: Wolf, Greenfield & Sacks, P.C.
 NUMBER OF CLAIMS: 18
 EXEMPLARY CLAIM: 1
 LINE COUNT: 2435
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention describes edp3.8 tumor associated nucleic acids, including fragments and biologically functional variants thereof. Also included are polypeptides and fragments thereof encoded by such nucleic acids, and antibodies relating thereto. Methods and products also are provided for diagnosing and treating conditions characterized by expression of a edp3.8 gene product.

L12 ANSWER 48 OF 62 USPATFULL
 ACCESSION NUMBER: 2001152743 USPATFULL
 TITLE: Transacylases of the pacitaxel biosynthetic pathway
 INVENTOR(S): Croteau, Rodney B., Pullman, WA, United States
 Walker, Kevin D., Pullman, WA, United States
 Schoendorf, Anne, Pullman, WA, United States
 Willough, Mark R., Colfax, WA, United States
 Washington State University Research Foundation, Pullman, WA, United States (U.S. corporation)
 PATENT ASSIGNEE(S):

NUMBER KIND DATE
 PATENT INFORMATION: US 6287835 B1 20010911
 APPLICATION INFO.: US 1999-457046 19991207 (9)
 RELATED APPL. INFO.: Continuation of Ser. No. US 1999-411145, filed on 30 Sep 1999, now abandoned

DOCUMENT TYPE: Utility
 FILE SEGMENT: GRANTED
 PRIMARY EXAMINER: Achutamurthy, Ponnathapu
 ASSISTANT EXAMINER: Kerr, Kathleen
 LEGAL REPRESENTATIVE: Klarquist Sparkman Campbell Leigh & Whinston LLP
 NUMBER OF CLAIMS: 1
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 35 Drawing Figure(s); 33 Drawing Page(s)
 LINE COUNT: 2097
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Transacylase enzymes and the use of such enzymes to produce Taxol™, related taxoids, as well as intermediates in the Taxol™ biosynthetic pathway are disclosed. Also disclosed are nucleic acid sequences encoding the transacylase enzymes.

L12 ANSWER 49 OF 62 USPATFULL
 ACCESSION NUMBER: 2001186228 USPATFULL
 TITLE: Tumor associated nucleic acids and uses therefor
 INVENTOR(S): Martelange, Valerie, Brussels, Belgium
 De Smet, Charles, Brussels, Belgium
 Boon-Pallieur, Thierry, Brussels, Belgium
 Ludwig Institute for Cancer Research, New York, NY,
 United States (U.S. corporation)
 PATENT ASSIGNEE(S):
 NUMBER KIND DATE
 PATENT INFORMATION: US 6245525 B1 20010612
 APPLICATION INFO.: US 1998-183796 19981030 (9)
 RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1998-122989, filed
 on 27 Jul 1998, now abandoned
 DOCUMENT TYPE: Utility
 FILE SEGMENT: GRANTED
 PRIMARY EXAMINER: Schwartzman, Robert A.
 ASSISTANT EXAMINER: Shibuya, Mark L.
 LEGAL REPRESENTATIVE: Wolf, Greenfield & Sacks, P.C.
 NUMBER OF CLAIMS: 26
 EXEMPLARY CLAIM: 1
 LINE COUNT: 2430
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The invention describes sdp3.8 tumor associated nucleic acids,
 including
 fragments and biologically functional variants thereof. Also included
 are polypeptides and fragments thereof encoded by such nucleic acids,
 and antibodies relating thereto. Methods and products also are provided
 for diagnosing and treating conditions characterized by expression of a
 sdp3.8 gene product.

L12 ANSWER 50 OF 62 USPATFULL
 ACCESSION NUMBER: 2001163823 USPATFULL
 TITLE: Mutational variants of mammalian proteins
 INVENTOR(S): Altmann, Scott W., Kenilworth, NJ, United States
 Rock, Fernando L., Foster City, CA, United States
 Basen, J. Fernando, Menlo Park, CA, United States
 Kaelelein, Robert A., Redwood City, CA, United States
 Schering Corporation, Kenilworth, NJ, United States
 (U.S. corporation)
 PATENT ASSIGNEE(S):
 NUMBER KIND DATE
 PATENT INFORMATION: US 6225446 B1 20010501
 APPLICATION INFO.: US 1996-759628 19961205 (8)
 NUMBER KIND DATE
 PRIORITY INFORMATION: US 1995-8574P 19951206 (60)
 DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Scheiner, Laurie
 LEGAL REPRESENTATIVE: Ching, Edwin P., Wang, Hugh
 NUMBER OF CLAIMS: 17
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 5 Drawing Figure(s); 4 Drawing Page(s)
 LINE COUNT: 1203
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB Proteins, which are mutational variants of mammalian proteins.
 Particular
 positions of natural proteins are identified as critical in providing
 various different activities. Specific embodiments demonstrate
 properties of variations at these positions.

L12 ANSWER 51 OF 62 USPATFULL
 ACCESSION NUMBER: 2000164314 USPATFULL
 TITLE: Method of preparing an enzyme participating in
 C-terminal amidation
 INVENTOR(S): Iida, Toshi, Yokohama, Japan
 Kaminuma, Toshihiko, Yokohama, Japan
 Fuse, Yuka, Yokohama, Japan
 Tajima, Masahiro, Yokohama, Japan
 Yanagi, Mitsuo, Yokohama, Japan
 Okamoto, Hiroshi, Sendai, Japan
 Kishimoto, Jiro, Yokohama, Japan
 Ikuo, Ohji, Yokohama, Japan
 Kato, Ichiro, Sendai, Japan
 PATENT ASSIGNEE(S):
 NUMBER KIND DATE
 PATENT INFORMATION: US 6155555 20001205
 APPLICATION INFO.: US 1998-172120 19981014 (9)
 RELATED APPLN. INFO.: Division of Ser. No. US 70301

L12 ANSWER 51 OF 62 USPATFULL (Continued)

NUMBER KIND DATE
 PRIORITY INFORMATION: JP 1989-208967 19890815
 JP 1989-281933 19891031
 JP 1990-76331 19900326
 JP 1990-106412 19900424
 JP 1990-205475 19900602
 DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Naff, David M.
 LEGAL REPRESENTATIVE: Foley & Lardner
 NUMBER OF CLAIMS: 5
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 49 Drawing Figure(s); 49 Drawing Page(s)
 LINE COUNT: 3218
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB A purified enzyme-I is obtained that participates in C-terminal
 amidation by acting on a peptide C-terminal glycine adduct to form a
 peptide C-terminal .alpha.-hydroxyglycine adduct. The enzyme has an
 optimum pH of about 5 to 7, an optimum temperature of 25 to 40.degree.
 C, and a molecular weight of about 25 kDa or about 36 kDa, and metal
 ions and ascorbic acid act as a cofactor. A purified enzyme-II is
 obtained that participates in C-terminal amidation by acting on the
 peptide C-terminal .alpha.-hydroxyglycine adduct to produce a
 C-terminal
 amidated compound. The enzyme has an optimum pH of about 5 to 6, an
 optimum temperature of 15 to 35.degree. C, and a molecular weight of
 about 40 kDa or about 43 kDa. Enzyme-I does not act on the peptide
 C-terminal .alpha.-hydroxyglycine adduct and enzyme-II does not act on
 the peptide C-terminal glycine adduct. The enzymes may be purified from
 a biological material such as horse serum by affinity chromatography
 using a peptide C-terminal glycine adduct as a ligand. The
 enzymes may also be obtained from host cells transformed with a plasmid
 containing a cDNA coding for the enzymes. Assay of activity of the
 enzymes is carried out by measuring the C-terminal .alpha.-
 hydroxyglycine adduct or the C-terminal amidated compound that has been
 isolated such as by high performance liquid chromatography with the use
 of an acetonitrile-containing buffer.

L12 ANSWER 52 OF 62 USPATFULL
 ACCESSION NUMBER: 2000140593 USPATFULL
 TITLE: Borrelis burgdorferi outer membrane proteins
 INVENTOR(S): Skare, Jonathan T., College Station, TX, United States
 Sheng, Ellen S., Calabasas, CA, United States
 Champion, Cheryl I., Los Angeles, CA, United States
 Bianco, David R., Calabasas, CA, United States
 Miller, James W., Murthridge, CA, United States
 Lovett, Michael A., Los Angeles, CA, United States
 Mirzabekov, Tajib A., Newton, MA, United States
 Eagan, Bruce L., Pacific Palisades, CA, United States
 Tempst, Paul, New York, NY, United States
 Poley, Denise M., Orange, CA, United States
 The Regents of the University of California, Oakland, CA, United States (U.S. corporation)

PATENT ASSIGNEE(S):
 NUMBER KIND DATE

 US 6151194 20001128
 APPLICATION INFO.: US 1998-183217 19981029 (9)
 RELATED APPL. INFO.: Continuation of Ser. No. US 1997-787357, filed on 21 Jan 1997, now abandoned

NUMBER DATE

 US 1996-10321P 19960122 (60)
 PRIORITY INFORMATION: Utility
 DOCUMENT TYPE: Granted
 FILE SEGMENT: Houzel, James C.
 PRIMARY EXAMINER: Ryan, V.
 ASSISTANT EXAMINER: Pulbright & Jaworski L.L.P.
 LEGAL REPRESENTATIVE: 5
 NUMBER OF CLAIMS: 1
 EXEMPLARY CLAIM: 43 Drawing Figure(s); 24 Drawing Page(s)
 NUMBER OF DRAWINGS: 234
 LINE COUNT: 234

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention presents three B. burgdorferi membrane proteins: Oms2, Oms4, and Oms5; each of about 38, 45, and 66 kDa respectively; and with average single channel conductances of about 0.6, 0.22, and

9.7 nS, respectively. Also disclosed are the methods for purifying these proteins from B. burgdorferi, methods for producing antibodies to these proteins, and the resulting antibodies. These proteins and their immunogenic fragments, and antibodies capable of binding to them are useful for inducing an immune response to pathogenic B. burgdorferi as well as providing a diagnostic target for Lyme disease. Further disclosed are the nucleotide and amino acid sequences, the cloning of the genes encoding the proteins and their recombinant proteins, and methods for obtaining the foregoing. Other B. burgdorferi outer membrane spanning proteins (Oms) obtainable by the isolation and purification methods of the present invention.

L12 ANSWER 54 OF 62 USPATFULL
 ACCESSION NUMBER: 2000102074 USPATFULL
 TITLE: Human prothormone convertase 4
 INVENTOR(S): Lok, Si, Seattle, WA, United States
 Jaspers, Stephen R., Edmonds, WA, United States
 ZymoGenetics, Inc., Seattle, WA, United States (U.S. corporation)

NUMBER KIND DATE

 US 6100041 20000808
 PATENT INFORMATION: US 1999-369618 19990806 (9)
 APPLICATION INFO.: Division of Ser. No. US 1998-71101, filed on 1 May 1998, now patented, Pat. No. US 601503

NUMBER DATE

 US 1997-44015P 19970506 (60)
 PRIORITY INFORMATION: Utility
 DOCUMENT TYPE: Granted
 FILE SEGMENT: Carlson, Karen Cochrane
 PRIMARY EXAMINER: Srivastava, Devesh
 ASSISTANT EXAMINER: Johnson, Jennifer K.
 LEGAL REPRESENTATIVE: 3
 NUMBER OF CLAIMS: 1
 EXEMPLARY CLAIM: 1 Drawing Figure(s); 3 Drawing Page(s)
 NUMBER OF DRAWINGS: 2339
 LINE COUNT: 2339

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides polynucleotide and polypeptide molecules for a novel human prothormone convertase 4. The polynucleotides encoding human prothormone convertase 4, are located on chromosome 19, and may, for example, be used to identify a region of the genome associated with human disease states. The present invention also includes methods for producing the protein and antibodies thereto.

L12 ANSWER 53 OF 62 USPATFULL
 ACCESSION NUMBER: 2000131634 USPATFULL
 TITLE: Human prothormone convertase 4
 INVENTOR(S): Lok, Si, Seattle, WA, United States
 Jaspers, Stephen R., Edmonds, WA, United States
 ZymoGenetics, Inc., Seattle, WA, United States (U.S. corporation)

NUMBER KIND DATE

 US 6127162 20001003
 PATENT INFORMATION: US 1999-369617 19990806 (9)
 APPLICATION INFO.: Division of Ser. No. US 1998-71101, filed on 1 May 1998, now patented, Pat. No. US 601503

NUMBER DATE

 US 1997-44015P 19970506 (60)
 PRIORITY INFORMATION: Utility
 DOCUMENT TYPE: Granted
 FILE SEGMENT: Carlson, Karen Cochrane
 PRIMARY EXAMINER: Srivastava, Devesh
 ASSISTANT EXAMINER: Johnson, Jennifer K.
 LEGAL REPRESENTATIVE: 12
 NUMBER OF CLAIMS: 1
 EXEMPLARY CLAIM: 1 Drawing Figure(s); 3 Drawing Page(s)
 NUMBER OF DRAWINGS: 2424
 LINE COUNT: 2424

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides polynucleotide and polypeptide molecules for a novel human prothormone convertase 4. The polynucleotides encoding human prothormone convertase 4, are located on chromosome 19, and may, for example, be used to identify a region of the genome associated with human disease states. The present invention also includes methods for producing the protein and antibodies thereto.

L12 ANSWER 55 OF 62 USPATFULL
 ACCESSION NUMBER: 2000153875 USPATFULL
 TITLE: Method of identifying compounds affecting hedgehog cholesterol transfer
 INVENTOR(S): Bectley, Philip A., Baltimore, MD, United States
 Porter, Jeffrey A., Belmont, MA, United States
 The Johns Hopkins University School of Medicine, States (U.S. corporation)

NUMBER KIND DATE

 US 6057091 20000502
 PATENT INFORMATION: US 1997-946329 19971027 (8)
 APPLICATION INFO.: Continuation-in-part of Ser. No. US 1996-729743, filed on 7 Oct 1996 which is a continuation-in-part of Ser. No. US 1995-547357, filed on 4 Dec 1995 which is a continuation-in-part of Ser. No. US 1994-349498, filed on 2 Dec 1994

NUMBER DATE

 US 1997-61233P 19971002 (60)
 PRIORITY INFORMATION: Utility
 DOCUMENT TYPE: Granted
 FILE SEGMENT: Spector, Lorraine
 PRIMARY EXAMINER: Kaufman, Claire M.
 ASSISTANT EXAMINER: Gray Cary Ware & Freidenrich LLP, Haile, Lisa A.
 LEGAL REPRESENTATIVE: 1
 NUMBER OF CLAIMS: 126 Drawing Figure(s); 54 Drawing Page(s)
 NUMBER OF DRAWINGS: 697
 LINE COUNT: 697

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides two novel polypeptides, referred to as the "N" and "C" fragments of hedgehog, or N-terminal and C-terminal fragments, respectively, which are derived after specific cleavage at a G₁up-downw₁ CP site recognized by the autoproteolytic domain in the native protein. Also included are sterol-modified hedgehog polypeptides and functional fragments thereof. Methods of identifying compositions which affect hedgehog activity based on inhibition of cholesterol modification of hedgehog protein are described.

112 ANSWER 56 OF 62 USPATFULL
 ACCESSION NUMBER: 2000/47346 USPATFULL
 TITLE: Receptor for the glucagon-like-peptide (GLP-1)
 INVENTOR(S): Thoren, Bernard, Spalings, Switzerland
 PATENT ASSIGNEE(S): Novo Nordisk A/S, Bagsvaerd, Denmark (non-U.S. corporation)

NUMBER	KIND	DATE
US 6051689		20000418
US 1997-93517		19970922 (8)
US 142439		Continuation of Ser. No. US 142439

PATENT INFORMATION: US 6051689
 APPLICATION INFO.: US 1997-93517
 RELATED APPL. INFO.: Continuation of Ser. No. US 142439

NUMBER	DATE
DK 1992-198	19920325

PRIORITY INFORMATION: DK 1992-198
 DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Fitzgerald, David L.
 LEGAL REPRESENTATIVE: Telson, Esq., Elvete T., Gregg, Esq., Valeta
 NUMBER OF CLAIMS: 2
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 8 Drawing Figure(s); 8 Drawing Page(s)
 LINE COUNT: 1267
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention relates to a recombinant glucagonlike peptide-1 (GLP-1) receptor having the nucleotide sequence of SEQ ID NO:1 or SEQ ID NO:3, wherein the receptor polypeptide binds GLP-1 with a Kd of less than 100 nM.

112 ANSWER 57 OF 62 USPATFULL
 ACCESSION NUMBER: 2000/47031 USPATFULL
 TITLE: Non-A, non-B, non-C, non-D, non-E hepatitis reagents and methods for their use
 INVENTOR(S): Simons, John N., Graylake, IL, United States
 Pilot-Matias, Tami J., Green Oaks, IL, United States
 Dawson, George J., Libertyville, IL, United States
 Schlauer, George G., Skokie, IL, United States
 Desai, Suresh M., Libertyville, IL, United States
 Leary, Thomas P., Kenosha, WI, United States
 Muerhoff, Anthony Scott, Kenosha, WI, United States
 Erker, James Carl, Hainesville, IL, United States
 Buick, Sheri L., Round Lake, IL, United States
 Muehler, Ida K., Graylake, IL, United States
 Abbott Laboratories, Abbott Park, IL, United States (U.S. corporation)

NUMBER	KIND	DATE
US 6051374		20000418
US 1995-46845		19950607 (8)

PATENT INFORMATION: US 6051374
 APPLICATION INFO.: US 1995-46845
 RELATED APPL. INFO.: Continuation-in-part of Ser. No. US 1995-37757, filed on 30 Jan 1995, now abandoned which is a continuation-in-part of Ser. No. US 1994-344185, filed on 21 Nov 1994, now abandoned And Ser. No. US 1994-344190, filed on 21 Nov 1994, now abandoned which is a continuation-in-part of Ser. No. US 1994-283314, filed on 29 Jul 1994, now abandoned which is a continuation-in-part of Ser. No. US 1994-242654, filed on 13 May 1994, now abandoned which is a continuation-in-part of Ser. No. US 1994-196030, filed on 14 Feb 1994, now abandoned, said Ser. No. US 344185

344185
 DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Zitomer, Stephanie
 LEGAL REPRESENTATIVE: Becker, Cheryl L., Cauto, Dianne, Porembski, Priscilla
 NUMBER OF CLAIMS: 15
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 52 Drawing Figure(s); 49 Drawing Page(s)
 LINE COUNT: 17971
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB Hepatitis GB Virus (HBGV) nucleic acid and amino acid sequences useful for a variety of diagnostic and therapeutic applications, kits for using the HBGV nucleic acid or amino acid sequences, HBGV immunogenic particles, and antibodies which specifically bind to HBGV. Also provided are methods for producing antibodies, polyclonal or monoclonal, from the HBGV nucleic acid or amino acid sequences.

112 ANSWER 58 OF 62 USPATFULL
 ACCESSION NUMBER: 2000/4666 USPATFULL
 TITLE: Human prothormone convertase 4
 INVENTOR(S): Lok, Si, Seattle, WA, United States
 Jaspers, Stephen R., Edmonds, WA, United States
 ZymoGenetics, Inc., Seattle, WA, United States (U.S. corporation)

NUMBER	KIND	DATE
US 6012503		20000111
US 1998-71101		19980501 (9)

PATENT INFORMATION: US 6012503
 APPLICATION INFO.: US 1998-71101
 DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Campbell, Eggeston A.
 ASSISTANT EXAMINER: Silvestrini, Devesh
 LEGAL REPRESENTATIVE: Johnson, Jennifer K.
 NUMBER OF CLAIMS: 3
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 1 Drawing Figure(s); 3 Drawing Page(s)
 LINE COUNT: 2309
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention provides polynucleotide and polypeptide molecules for a novel human prothormone convertase 4. The polynucleotides encoding human prothormone convertase 4, are located on chromosome 19, and may, for example, be used to identify a region of the genome associated with human disease states. The present invention also includes methods for producing the protein and antibodies thereto.

112 ANSWER 59 OF 62 USPATFULL
 ACCESSION NUMBER: 1999/355456 USPATFULL
 TITLE: Proteins involved in the synthesis and assembly of O antigen in Pseudomonas aeruginosa
 INVENTOR(S): Lee, Joseph S., Guelph, Canada
 Burrows, Lori, Guelph, Canada
 Charter, Deborah, Guelph, Canada
 de Kievit, Teresa, Guelph, Canada
 University of Guelph, Guelph, Canada (non-U.S. corporation)

NUMBER	KIND	DATE
US 5994072		19991130
US 1997-846762		19970430 (8)

PATENT INFORMATION: US 5994072
 APPLICATION INFO.: US 1997-846762

NUMBER	DATE
US 1996-16510P	19960430 (60)
US 1997-39473P	19970227 (60)

PRIORITY INFORMATION: US 1996-16510P
 DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Degen, Nancy
 ASSISTANT EXAMINER: Schwartzman, Robert
 LEGAL REPRESENTATIVE: Merchant & Gould P.C.
 NUMBER OF CLAIMS: 1
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 66 Drawing Figure(s); 63 Drawing Page(s)
 LINE COUNT: 7469
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB Novel nucleic acid molecules encoding proteins involved in the synthesis and assembly of O-antigen in P. aeruginosa; and novel proteins encoded by the nucleic acid molecules are described. Methods are disclosed for detecting P. aeruginosa in a sample by determining the presence of the proteins or a nucleic acid molecule encoding the proteins in the sample.

L12 ANSWER 60 OF 62 USPATFULL
 ACCESSION NUMBER: 1999:85216 USPATFULL
 TITLE: Compositions comprising isolated *Helicobacter pylori* CagA polypeptides and method of preparation thereof
 INVENTOR(S): Covacci, Antonello, Siena, Italy
 PATENT ASSIGNER(S): Chiron S.p.A., Italy (non-U.S. corporation)
 NUMBER KIND DATE

 PATENT INFORMATION: US 5928865 19990727
 APPLICATION INFO.: US 1995-477451 19950607 (8)
 RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1995-425194, filed on 30 Apr 1995; now abandoned And Ser. No. US 1995-471493, filed on 6 Jun 1995 which is a division
 of Ser. No. US 256848

NUMBER DATE

 PRIORITY INFORMATION: IT 1995-1552 19950302
 DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Houmel, James C.
 ASSISTANT EXAMINER: Portner, Ginny Allen
 LEGAL REPRESENTATIVE: Woodcock, Washburn, Kurtz, Mackiewicz & Norris, Harbin
 NUMBER OF CLAIMS: Alesia A., Blackburn, Robert P.
 EXEMPLARY CLAIM: 6
 NUMBER OF DRAWINGS: 4 Drawing Figure(s); 120 Drawing Page(s)
 LINE COUNT: 6195
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB *Helicobacter pylori* is known to cause or be a cofactor in type B gastritis, peptic ulcers, and gastric tumors. In both developed and developing countries, a high percentage of people are infected with this bacterium. The present invention relates generally to a certain *H. pylori* region located 5' to the CagA gene locus, to proteins encoded thereby, and to the use of these genes and proteins for diagnostic and vaccine applications.

L12 ANSWER 61 OF 62 USPATFULL
 ACCESSION NUMBER: 1999:21976 USPATFULL
 TITLE: Purified enzymes participating in C-terminal amidation
 INVENTOR(S): Iida, Tohshi, Yokohama, Japan
 Kaminuma, Toshitoko, Yokohama, Japan
 Fuse, Yuka, Yokohama, Japan
 Tajima, Masahiro, Yokohama, Japan
 Vaneesi, Mitauo, Yokohama, Japan
 Okamoto, Hiroshi, Sendai, Japan
 Kishimoto, Jiro, Yokohama, Japan
 Itohi, Chii, Yokohama, Japan
 Kato, Ichiro, Sendai, Japan
 PATENT ASSIGNER(S): Shiseido Company, Ltd., Tokyo, Japan (non-U.S. corporation)
 NUMBER KIND DATE

PATENT INFORMATION: US 5871955 19990216
 APPLICATION INFO.: WO 9102790 19910307
 US 1991-70301 19910524 (8)
 WO 1990-JP1036 19900412
 19910524 PCT 371 date
 19910524 PCT 102(e) date

NUMBER DATE

 PRIORITY INFORMATION: JP 1989-209687 19890815
 JP 1989-281933 19891019
 JP 1990-76331 19900326
 JP 1990-106412 19900424
 JP 1990-205475 19900802
 DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Naff, David M.
 LEGAL REPRESENTATIVE: Foley & Lardner
 NUMBER OF CLAIMS: 20
 EXEMPLARY CLAIM: 1,11
 NUMBER OF DRAWINGS: 49 Drawing Figure(s); 49 Drawing Page(s)
 LINE COUNT: 2524
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A purified enzyme-I is obtained that participates in C-terminal amidation by acting on a peptide C-terminal glycine adduct to form a peptide C-terminal .alpha.-hydroxyglycine adduct. The enzyme has an optimum pH of about 5 to 7, an optimum temperature of 25 degree. to 40 degree. C. and a molecular weight of about 25 kDa or about 36 kDa, and metal ions and ascorbic acid act as a cofactor. A purified enzyme-II is obtained that participates in C-terminal amidation by acting on a peptide C-terminal .alpha.-hydroxyglycine adduct to produce a C-terminal amidated compound. The enzyme has an optimum pH of about 5 to 6, an optimum temperature of 15 degree. to 35 degree. C. and a molecular weight of about 40 kDa or about 43 kDa. Enzyme-I does not act on the peptide C-terminal .alpha.-hydroxyglycine adduct and enzyme-II does not act on the peptide C-terminal glycine adduct. The enzymes may be purified from a biological material such as horse serum by affinity chromatography using a peptide C-terminal glycine adduct as a

L12 ANSWER 61 OF 62 USPATFULL (Continued)
 ligand. The enzymes may also be obtained from host cells transformed with a plasmid containing a cDNA coding for the enzymes.
 Assay of activity of the enzymes is carried out by measuring adduct (II) or the compound (III) that has been isolated such as by high performance liquid chromatography with the use of an acetonitrile-containing buffer.

L12 ANSWER 62 OF 62 USPATFULL
 ACCESSION NUMBER: 97:86472 USPATFULL
 TITLE: Mammalian receptors for glucagon-like-peptide-1 (GLP-1), corresponding DNA and recombinant expression systems, and screening assays for GLP-1 agonists and enhancers
 INVENTOR(S): Thorens, Bernard, Epalinges, Switzerland
 Novo Nordisk A/S, Bagsvaerd, Denmark (non-U.S. corporation)
 NUMBER KIND DATE

 PATENT INFORMATION: US 5670360 19970922
 WO 9319176 19930920
 APPLICATION INFO.: US 1993-142439 19931124 (8)
 WO 1993-EP497 19930323
 19931124 PCT 371 date
 19931124 PCT 102(e) date

NUMBER DATE

 PRIORITY INFORMATION: DK 1992-398 19920325
 DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Fitzgerald, David L.
 LEGAL REPRESENTATIVE: Telson, Esq., Steve T., Harrington, Esq., James J.
 NUMBER OF CLAIMS: 11
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 8 Drawing Figure(s); 8 Drawing Page(s)
 LINE COUNT: 1014
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention relates to a recombinant glucagon like peptide-1 (GLP-1), to a DNA construct which comprises a DNA sequence encoding a GLP-1 receptor, to methods of screening for agonists of GLP-1 activity, and to the use of the GLP-1 receptor for screening for agonists of GLP-1 activity.